

# MINUTES OF THE 99TH CONVENTION THE TAU BETA PI ASSOCIATION, INC.

Radisson Plaza Hotel, Orlando, FL

October 7-9, 2004

Voting delegates, non-voting delegates, chapter advisors, alumnus visitors, Engineering Futures Facilitators, and national officials registered for the Convention in the lobby of the Radisson Plaza Hotel on October 7. Final registration of those who attended the business meetings was as follows:

## Official collegiate chapter voting delegates:

AL	Matthew T. Uhrig	FL	Collins F. Adetu	MI	Sachet Shah
AL	Lisa C. Vaughn	FL	Andrew Peris	MI	Emily C. Klingenfus
AL	Jorge I. Nunez	GA	Stephanie J. Campbell	MN	Jeffrey J. Siple
AL	Kelsey J. Brekke	GA	Kala K. Cartwright	MN	James L. Artmann
AL	Melissa M. Caldwell	ID	Kathryn M. Dafoe	MS	Daniel O. May
AK	John M. Strause	ID	Jason R. Marenda	MS	Carrie A. Jurgensen
AZ	Jessica E. Haley	IL	Rachel A. Williams	MO	Michael B. Marshall
AZ	Christopher C. Chandler	IL	Samuel W. Purdy	MO	Reid B. Catt
AZ	Daniel H. Johnson	IL	Aarti H. Rupani	MO	David M. Weingeist
AR	James A. Wigginton	IL	Diana M. Wallens	MO	Noran H. Badawi
CA	Arthur J. Hebert	IL	Matthew D. Kelsey	MT	Angela M. Kimmel
CA	E. Vicki Loewer	IL	William K. Glogowski	MT	Therese L. Streit
CA	A. Justin Sabet-Peyman	IN	Matthew R. O'Callaghan	NE	Frank R. Opal
CA	Santhosh P. Joseph	IN	Eric R. Tollefson	NV	David E. Wheeler
CA	John C. Chang	IN	Daniel C. Tucker	NV	Drew A. Hall
CA	Andrew J. Leland	IN	Robert S. Copouls	NH	Benjamin C. Nichols
CA	Hsiao-Wei Shieu	IN	Andrew J. Rekeweg	NH	Sara A. Atwood
CA	Uduak-Joe E. Ntuk	IA	Brian M. Crawford	NJ	Joseph A. Farco
CA	Antonino Monterrosa	IA	Justin M. Glasgow	NJ	Philip K. Engel
CA	Eric W. Browning	KS	Theresa A. LaFollette	NJ	Elizabeth V. Mayo
CA	Arjun A. Singh	KS	Evan M. Borst	NJ	Kimberly Mattson
CA	Paul M. Struve	KS	Jared R. Mason	NM	Ryan K. Ahrens
CA	Ryan C. Williams	KY	K. Dane Bowles, Jr.	NM	Darin Leonhardt
CA	John M. Huynh	KY	Christy M. Bogard	NM	Jonathan R. Deming
CA	Geoffrey S. Burrell	LA	Karan Singh	NY	Wei Du
CA	Ibrahim M. Iqbal	LA	Powell M. Kinney	NY	Linsey C. Phillips
CA	Tanya B. Schikorr	LA	Arden L. Moore	NY	P. Evan Woolard
CA	Jeffrey A. Sawyer	LA	Hunter J. Hebert	NY	Setu Mohta
CA	Jason C. Kerby	LA	Jose E. Baker	NY	Linelle T. Fontenelle
CA	Matthew A. Stricker	ME	Jessica J. Deane	NY	Michael W. Davis
CA	George M. Mansour	MD	Athar N. Malik	NY	Bijun Tan
CA	Haley A.N. Kim	MD	Kevin M. Calabro	NY	Bridget A. Baran
CA	Karen M. Lee	MD	Christopher T. Lollini	NY	Kara S. Chylinski
CA	Jonathan M. Fein	MD	Mela R. Johnson	NY	Matthew A. Watkins
CO	J. Paul Chambers	MD	Ibrahim O. Aroworowon	NY	Drew R. Berweger
CO	Gregory M. Newcomb	MA	Andrew L. DuFresne	NY	Edward Teaw
CO	Jeffrey A. Brateman	MA	Erik D. Johnson	NY	Evan M. Clark
CO	-----	MA	Stuart A. Mueller	NY	James M. Quacinella
CO	Ryan Z. Szmajda	MA	Rachel S. Marullo	NY	Kathryn L. Goetschius
CT	Tami J. Bang	MA	Timothy B.C. Brett	NY	Anthony Chow
CT	Ethan B. Johnson	MA	Matt Gorelik	NC	Nathaniel C. Horner
CT	-----	MA	Christopher M. DiNitto	NC	Adam I. Bonneau
DE	William A. Tisdale III	MA	Jason C. Keller	NC	Jonathan W. Georgas
DC	Aureus E. Griffith	MI	Elaheh Rahbar	NC	Jametta K. Thomas
DC	Timothy A. Creazzo	MI	Aaron D. Scherwinski	ND	Karl M. Becker
DC	Sarah C. Greenwood	MI	Rebecca J. Cantor	ND	Matthew S. Jurgens
FL	Alison A. Trachet	MI	Leonard Tomaj	OH	Matt M. Crane
FL	Juan C. Infante	MI	Jason R. Morse	OH	Marie A. Granny
FL	Jayme L. Price	MI	David M. Zeerip	OH	Abigail J. Thiele
FL	John D. Atchason	MI	Jeremy J. Malchow	OH	Samuel R. Pursglove
FL	Sharjeel Wasi	MI	Michael L. Banachowski	OH	Tiffany V. Ashforth
FL	Jaime P. Miller	MI	Christopher A. Burtka	OH	Greg A. Wilson

OH	Phillip M. Corbell	PR	Linda M. Monge-Guerrero	TX	Amanda E. Cavazos
OH	Jay R. Klosterman	RI	Devraj Banerjee	TX	Armando Garza, Jr.
OH	Stephanie M. Moody	RI	Christopher H. Cummiskey	UT	Greg R. Nelson
OH	Nicholas G. Garafolo	SC	Michelle L. Malecha	UT B	Daniel K. Chan
OH	Nicholas E. Maillis	SC	Derek J. Owens	UT	Benjamin J. Call
OH	Anthony J. Halley	SC	Raymond R. Foltz	VT	Heather E. Boepple
OH	Matthew P. Sterner	SD	James C. Sheldon	VT	Jaime M. Colby
OK	DeLanna B. Robertson	SD	Steve W. Menning	VA	Carolyn M. Reed
OK	Ahmad Z. Mat	TN	Jeremy G. Tunnell	VA	Erin L. Wilson
OK	Andrew C. Bass	TN	Jonathan S. Lin	VA	Menntoallah M. Youssef
OR	Yannick Cenar	TN	Eric M. Zimmermann	VA	Jeffrey A. Sparks
OR	Frank J. Rytkonen	TN	Jeffrey D. King	VA	Angela J. Weingarten
OR	Erin M. Ferguson	TN	Brian J. Purdy	WA	Alex M. Chillman
PA	Debarati Chattopadhyay	TN	Trevor S. Elliott	WA	Joanna L. Gillie
PA	Steven T. Puchek	TX	Julie K. Briley	WA	Hendy Hartoko
PA	Steven H. Back	TX	Matthew L. Richter	WA	Arlen B. Beers-Green
PA	Paul Y. Lee	TX	T. Wade Malone	WV	Emilee L. Saiter
PA	Gregory R. Bouton	TX	Todd O. Pangburn	WV	Alexander B. Neal
PA	William E. Norman	TX	Darren T. Smith	WI	-----
PA	Yoonju Cho	TX	Ryan R. Baskin	WI	Jennifer K. Wozniczka
PA	Erin E. Vogel	TX	Obiorah I. Oji	WI	Thomas W. Reuter
PA	Brian A. Coll	TX	Juan P. Pena	WI	Dawn M. Leyendecker
PA	Maila Sepri	TX	Mackenzie B. Britton	WI	Tomasz J. Wisniowski
PA	Stephanie J. Bechtold	TX	Midge Hill	WY	Joshua R. Duncan

#### Collegiate chapter alternates (non-voting delegates):

AL	Jacob Hudson	IA	Justin D. Pfeffer	NY	Andrea L. Pallante
AL	Timothy B. Thompson	IA	Taylor L. Schreck	NY	John M. Iarocci
AL	Ariel A. Chavez	KS	Michael D. Adams	NY	Bhavesh M. Patel
AL	Dee Anne A. Turner	KS	Bradley D. Bloomquist	NC	Amanda F. Irons
AR	J. Daniel Thompson	KS	Cole R. Knudsen	OH	Samantha A. Cronier
AR	Christopher R. Vaught	KS	Junius M. Penny	OH	Jessica L. Kroger
CA	Jason Bay	LA	Jeffrey P. Stark	OH	Joseph C. Lester
CA	Charles A. Leone	ME	Bennett J. Meulendyk	OH	Ariane A. Petersen
CA	Anthea F. Buchin	MD	Rama A. Balar	OH	Matthew S. Henley
CA	Ridah N. Sabouni	MA	Ruby Jy-chern Pai	OH	Joshua D. Wilson
CA	Zi Yan Zhang	MA	Caitlyn J. Bosecker	OH	Craig M. Baudendistel
CA	Amy L. Hackney	MA	Geoffrey N. Rowland	OK	Michael Y. Fozdar
CA	John R. Padilla	MI	Alfred Palushi	OR	Monica Nguyen
CA	Brandon J. Jackson	MI	Bradley A. Belsky	PA	Jill L. Gliem
CA	John Estudillo	MI	Abbey J. Heinlein	PA	Anthony J. Curtis
CA	Peter P. Kral	MI	Melissa J. McGinnis	PA	Nicolas C. Ward
CA	Sam Rokni	MI	Jeffrey R. Powers	PA	Joseph S. Gallo
CA	Michael Q. Chen	MI	Rafael Ramos	SC A	Desiree G. Steinmann
CA	Ronnie C. Chen	MI	Sara L. Scott	SC	William C. Vining
CA	Brandon P. Katz	MI	Bryan E. Toth	SC	Bruce A. Bailey
CA	Philip D. Littlewood	MI	Adam W. Tury	SC	Thomas S. Olney
CA	Kevin J. Alley	MI	Christopher J. Centi	SC	Lucas S. Parobek
CA	John F. Silny	MI	Tamer O. Girgis	SD	Jason J. Aldren
CA	Andrew P. Padilla	MI	Daniel E. Owczarek	SD	Morgan R. Gagliano
DE	Elizabeth A. Bell	MI	Jay V. Patel	TN A	Kari E. Tjader
DC	Marlon M. Mejias	MI	Jaspreet S. Wadhwa	TX	Griffin Hetrick
FL	Nisita S. Wanakule	MI	Kyle M. Grajek	TX	Eric J. Rodriguez
FL	Jaelyn A. Shepard	MI	Karen E. Armantrout	TX	Folami T. Alamudun
FL	Eiki M. Martinson	MN	Tyrel J. Pollak	UT	Michele L. Hollist
FL	Manasa Rao	MO	Craig J. Goergen	UT	Kara J. Stowers
FL	Arnoldo A. Artiles	NV	Jamil M. Renno	UT	M. Nathaniel Green
FL	Stephanie E. Hanses	NH	Michael J. Shaw	UT	Troy A. Robinson
FL	Ayanna E. Williams	NJ	Kurt D. Fischer	VT	Patrick R. Colburn
FL	Prince J. Gammage	NY	Kurt D. Fischer	VA	Stephen J. Ros
FL	Carlos E. Amarin	NY	Sahil K. Kapur	VA	Jarod B. Wheeler
IL	Kelly A. Harman	NY	Mansi M. Kasliwal	VA	Erin V. Boutwell
IA	Janine M. Keeley	NY	Wei Siang New	VA	Mark S. Raleigh
		NY	Angela Yoong	WV	Paul M. Biedler

## Chapter advisors:

AL E	Sally G. Steadman	IA	David D. Kilzer	OH	Constantine H. Houpis
AZ	Raymond K. Auerbach	IA	Richard J. Smith	OH	Robert L. Ward
CA	Troy D. Topping	KS	Richard B. Hayter	OH	Harwood A. Hegna
CO B	Sandra B. Pitzak	ME	Darrell W. Donahue	OK	Robert C. Huck
CO	William A. Nace	MD	Gbekeloluwa B. Oguntimein	PA	Patrick D. Schmid
DC A	Robert E. Efimba	MD	Gregory M. Wilkins	PA	David S. Kaplan
FL A	Frank C. Townsend	MA Z	Randall R. Lapierre	PA	Eli J. Wasserman
FL	Lawrence D. Bauer	MI	Megan E. Flynn	SC	Dennis J. Fallon
FL	Edward H. Kalajian	MI E	Colleen L. Hill	VT	Carol E. Stephens
GA B	Jack M. Mahaney	MI	Andrew J. Flowerday	VA	Christopher D. Hall
ID	Mikle V. Ellis	MI	Andrew E. Toy	VA	Robert R. Safford
IL A	Solveigh E.S. Sorenson	MI	Charles R. Standridge	WA	Juan L. Bala
IL	Bruce A. DeVantier	MT	Richard P. Donovan	WI	D. Joanne Wilson
IA	Amy L. Kaleita Forbes	NJ	Sreelatha Akkapeddi		

## Alumnus chapter voting delegates:

Baltimore	Robert M. Gagnon, P.E.	Ohio's North Coast	Jonathan T. Wade
Front Range	Shawn R. Schwaller	Sacramento	Patrick D. Homen
Great Smoky Mtn.	Donna R.H. Riggs, P.E.	San Francisco Bay Area	Yu-Han Chen
Minnesota Twin Cities	Sherry Jennings-King	Southeastern Michigan	Jennifer R. Peters

## Alumnus visitors and Laureates:

Michael J. Chasse, ME A '04	Peter H. Law, MI I '02	Yoosuf Picard, LA G '01
Cleveland L. Campbell, IA A '47	Jessica D. King, MS B '03	Matthew C. Rodrigue, ME A '04
Daniel J. Cox, FL A '79	Kenneth L. Martin, NM A '83	Jill S. Tietjen, VA A '76
Keith R. Fuhrhop, NY B '00	Jamal F. Nayfeh, FL D '83	Martin P. Wanielista, MI D '64

## Co-hosts and Others:

Local arrangements for the Convention were headed by Arrangements Chair Christopher J. Ekberg and by FL Alpha Chair Matthew Pollock. Other Florida Alpha and Delta members and initiates assisting at the Convention were: L.R. Brunner, M.L. Crum, S.H. Marcacci, H.G. Morataya, M.H. Petko, M.K. Pratt, and G.J. Soriano.

2005 Convention Arrangement leaders Michele L. Hollist (UT Alpha) and Kara J. Stowers (UT Alpha) were in attendance.

## Officials of the Association in attendance were:

### National Officers

President M.W. Ohland  
Vice President E.D. Styles  
Councillor A.L. Hu  
Councillor R.W. Pierce  
Councillor D.J. Tyner

Fellowship Board  
S.D. Pierre Jr.  
Director of Rituals  
E. J. D'Avignon  
Director of Engineering Futures  
A.M. Brenner  
Executive Director  
J.D. Froula  
Assistant Secretary-Treasurer  
R.E. Hawks  
Convention Chair  
R.M. Hickling  
Parliamentarian  
J.W. Johnson Jr.

### District Directors

District 1 — Nila D. Bhakuni  
District 2 — Selden J. Houghton  
Thomas A Pinkham IV  
Andrea J. Pinkus  
Jason Rogan  
District 3 — Edward P. Gorzkowski  
Michael D. Malmstrom  
District 4 — Luke A. Martin  
Lisa C. Pawlak  
Russell L. Werneth  
District 5 — Curtis G. Campbell  
Jeremy N. Comardelle  
Elizabeth A. Stephan  
District 6 — Joseph J. Hanby  
Richard P. King  
District 7 — Abdou A. Ayoub  
Barry L. Frost  
Curtis D. Gomulinski  
Robert C. Rogers  
District 8 — Stacey L. Forkner  
Joseph G. Macro  
District 9 — Charles W. Caldwell  
Eddie R. Fowler  
Brenda A. Kramer  
District 10 — Daniel A. Kamat  
District 11 — James C. Hill  
Sherry D. Jennings-King  
District 12 — Wade A. Hull  
Tricia E. Schwaller  
Larry A. Simonson  
District 13 — Jeffrey G. Dabling  
Richard W. Mead  
District 14 — Ellie R. Armstrong  
District 15 — Scott E. Fable  
District 16 — Scott V. Eckersall  
Allen Klinger  
Farrokh Najmabadi

### Engineering Futures Facilitators:

Jose E. Andrade  
Rich R. Andre  
Hitesh R. Bhambhani  
Joseph P. Blackford  
Steven M. Botwinik  
Yue Cathy Chang  
Cheryl Cheng  
Mike Chong  
Tony Chu  
Kathleen L. Colbry  
Solange C. Dao  
Stephanie M. Deckter  
Wendy A. Harper  
Jason A. Huggins  
Felipe A. Leon  
Catherine G. McIntyre  
Norman P. Pih  
Lisa A. Rine  
Brian T. Wenning  
Eric R. Whisler

## Representatives of the petitioning society:

Epsilon Eta Sigma, University of California, Riverside

Student: Chris G. Mayhew

Faculty: Dennis K. Rice, OH E '64

**FIRST BUSINESS MEETING**  
**Ivanhoe Ballroom, Radisson Plaza Hotel, Orlando, FL**  
**Thursday, October 7, 2004**

**President Matthew W. Ohland called the Convention** to order at 3:04 p.m., asked all present to meet those around them, and reviewed the schedule of events and activities. In accord with the Bylaws, Secretary J.D. Froula served as Secretary of the Convention.

The Secretary reported that a quorum was present although final registration was incomplete; 218 voting delegates and national officers were registered. Executive Councillor Dennis J. Tyner introduced members of the Executive Council, Director of Fellowships D. Stephen Pierre Jr., Director of Rituals Edward J. D'Avignon, Director of Engineering Futures Annette M. Brenner, Executive Director Froula, Assistant Secretary-Treasurer Roger E. Hawks, Convention Chair Ronald M. Hickling, Parliamentarian James L. Johnson Jr., District Directors, Engineering Futures Facilitators present, and Headquarters staff.

**The President's Report** for the Executive Council for 2003-04 was presented by Dr. Ohland. It is a part of these minutes and will be published in the Winter 2005 **BENT**.

**The Report of the Director of Fellowships** was given by Mr. Pierre, who reviewed the history of the Fellowship and Scholarship Program and recognized the assistance of the Executive Council, Executive Director, and Headquarters staff, particularly Raymond H. Thompson. He said that 35 Fellows and 40 Scholars were selected last year on a competitive basis, acknowledged the support of generous alumni, reviewed the changes in the composition of the Fellowship Board, and encouraged the delegates to apply for either program.

**The Report of the Director of Engineering Futures** was given by Dr. Brenner, who encouraged the delegates to take advantage of the Engineering Futures Program and the skills taught and to schedule seminars on their campuses. She acknowledged the financial support of alumni who support the program and said that support from universities would now be accepted.

The President and Secretary-Treasurer of the Association constitute the Committee on Order of Convention Business, according to the Bylaws. An **agenda** for the order of business had been prepared and was sent to all delegates in advance. **It was adopted as amended** on a voice vote on motion by Secretary Froula, seconded by C.A. Burtka, (MI I) as follows:

First Business Meeting:

- Official opening of the Convention
- Quorum report of the Secretary-Treasurer
- Introduction of National Officials
- President's report for Executive Council
- Report of Director of Fellowships
- Report of Director of Engineering Futures
- Adoption of Convention Agenda
- Assumption of the chair by the permanent Convention Chair

Second Business Meeting:

Reports of Committees: Petitions, Constitution and Bylaws, Chapter and Association Financial Affairs, Rituals, Convention Site, Resolutions, and Chapter Advisor (*ad hoc*).

Third Business Meeting:

- Action as necessary on Committee recommendations
- Reports of Committees: Award and Member Benefits (*ad hoc*)
- New business

Final Business Meeting:

- Presentation of Greater Interest in Government Chapter Project Grants
- Presentation of National Outstanding Advisor Award
- Presentation of Laureate Award
- Presentation of Distinguished Alumnus Award
- Final Report of Award Committee
- Final Report of Resolutions Committee
- Official adjournment

**Appointment of delegates to the Convention Committees** had been made by the Secretary in advance as required by the Bylaws, and the committees were given instructions and information about their assignments. "Standing" committees are specified in the Constitution. Committees select their own chairs, and national officer advisors and consultants are named for each committee. Committees for this Convention were:

**Petitions Committee:**

Kelsey J. Brekke, AL D  
Jessica E. Haley, AZ A  
Eric W. Browning, CA K  
Ryan C. Williams, CA N  
Geoffrey S. Burrell, CA O  
George M. Mansour, CA C  
Ethan B. Johnson, CT B  
Collins F. Adetu, FL H  
William K. Glogowski, IL Z  
Evan M. Borst, KS B, Chair  
Hunter J. Hebert, LA D  
Kevin M. Calabro, MD B  
Stuart A. Mueller, MA D

David M. Zeerip, MI Z  
Daniel O. May, MS A  
David M. Weingeist, MO G  
David E. Wheeler, NV A  
Darin Leonhardt, NM B  
Matthew A. Watkins, NY N  
Drew R. Berweger, NY X  
Adam J. Bonneau, NC G  
Marie A. Granny, OH B  
Matthew P. Sterner, OH N  
Paul Y. Lee, PA D  
Brian A. Coll, PA I  
Trevor S. Elliott, TN Z

Benjamin J. Call, UT G  
Carolyn M. Reed, VA A  
Thomas W. Reuter, WI G  
Michael D. Malmstrom, District 3  
Director, Advisor  
Jeffrey G. Dabling, District 13  
Director, Consultant  
Selden J. Houghton, District 2  
Director, Consultant  
Thomas A. Pinkham IV, District 2  
Director, Consultant

**Constitution and Bylaws Committee:**

John M. Strause, AK A  
A. Justin Sabet-Peyman, CA G  
Uduak-Joe E. Ntuk, CA Q, Chair  
Tanya B. Schikorr, CA S  
William A. Tisdale, III, DE A  
Juan C. Infante, FL B  
Andrew Peris, FL Q  
Matthew R. O'Callaghan, IN A  
Jared R. Mason, KS G  
Karan Singh, LA A  
Andrew L. DuFresne, MA A  
Benjamin C. Nichols, NH A  
Jonathan R. Deming, NM G

Anthony Chow, NY T  
Matthew S. Jurgens, ND B  
Tiffany V. Ashforth, OH E  
Nicholas G. Garafolo, OH K  
Yannick Cenar, OR A  
Debarati Chattopadhyay, PA A  
Michelle L. Malecha, SC A  
James C. Sheldon, SD A  
Jeremy G. Tunnell, TN A  
Jonathan S. Lin, TN B  
Todd O. Pangburn, TX D  
Daniel K. Chan, UT B  
Jaime M. Colby, VT B

Jeffrey A. Sparks, VA D  
Arlen B. Beers-Green, WA D  
Larry A. Simonson, District 12  
Director, Advisor  
Scott V. Eckersall, District 16  
Director, Consultant  
Stacey L. Forkner, District 8  
Director, Consultant  
Luke A. Martin, District 4  
Director, Consultant  
Russell L. Werneth, District 4  
Director, Consultant

**Chapter and Association Financial Affairs Committee:**

Lisa C. Vaughn, AL B  
Daniel H. Johnson, AZ G  
Hsiao-Wei Shieu, CA H  
Ibrahim M. Iqbal, CA R  
Jeffrey A. Sawyer, CA T  
Tami J. Bang, CT A  
Timothy A. Creazzo, DC B  
Jayme L. Price, FL G  
Jaime P. Miller, FL Z  
Samuel W. Purdy, IL B  
Robert S. Copouls, IN D  
K. Dane Bowles, KY A  
Jessica J. Deane, ME A

Rachel S. Marullo, MA E  
Ryan K. Ahrens, NM A  
Linelle T. Fontenelle, NY H  
Jonathan W. Georgas, NC D  
Karl M. Becker, ND A  
Abigail J. Thiele, OH G  
Phillip M. Corbell, OH H  
Stefanie M. Moody, OH I, Chair  
Andrew C. Bass, OK G  
William E. Norman, PA Z  
Linda M. Monge-Guerrero, PR A  
Brian J. Purdy, TN E  
Matthew L. Richter, TX B

Gregory R. Nelson, UT A  
Heather E. Boepple, VT A  
-----, WI A  
Sherry Jennings-King, District 11  
Director, Advisor  
Daniel A. Kamat, District 10  
Director, Consultant  
Andrea J. Pinkus, District 2  
Director, Consultant  
Robert C. Rogers, District 7  
Director, Consultant

**Rituals Committee:**

Christopher C. Chandler, AZ B  
Santhosh P. Joseph, CA D  
Paul M. Struve, CA M  
-----, CO E  
Ryan Z. Szmajda, CO Z  
Sharjeel Wasi, FL E  
Jason R. Marena, ID B  
Rachel A. Williams, IL A, Chair  
Eric R. Tollefson, IN B  
Justin M. Glasgow, IA B  
Timothy B.C. Brett, MA Z  
Elaheh Rahbar, MI A  
Emily C. Klingenfus, MI L

Michael B. Marshall, MO A  
Kimberly Mattson, NJ D  
Bijun Tan, NY I  
Edward Teaw, NY O  
Samuel R. Pursglove, OH D  
Nicholas E. Maillis, OH L  
Steven T. Puchek, PA B  
Maila Sepri, PA K  
Christopher H. Cummiskey, RI B  
Darren T. Smith, TX E  
Midge Hill, TX K  
Angela J. Weingarten, VA E  
Alex M. Chillman, WA A

Hendy Hartoko, WA G  
Tomasz J. Wisniowski, WI E  
Edward J. D'Avignon, Director of  
Rituals, Advisor  
Abdou A. Ayoub, District 7  
Director, Consultant  
Brenda A. Kramer, District 9  
Director, Consultant  
Farrokh Najmabadi, District 16  
Director, Consultant

**Convention Site Committee:**

Jorge I. Nunez, AL G  
James A. Wigginton, AR A  
Arthur J. Hebert, CA A  
Arjun A. Singh, CA L  
Jason C. Kerby, CA U  
Matthew A. Stricker, CA F  
Jonathan M. Fein, CA AA  
Aureus E. Griffith, DC A  
Alison A. Trachet, FL A  
John D. Atchason, FL D  
Kala K. Cartwright, GA B  
Diana M. Wallens, IL D  
Brian M. Crawford, IA A, Chair

Christopher T. Lollini, MD G  
Christopher M. DiNitto, MA Q  
Rebecca J. Cantor, MI G  
Leonard Tomaj, MI D  
Jason R. Morse, MI E  
Michael L. Banachowski, MI Q  
Christopher A. Burtka, MI I  
Carrie A. Jurgensen, MS B  
Noran H. Badawi, MO D  
Angela M. Kimmel, MT A  
Elizabeth V. Mayo, NJ G  
Bridget A. Baran, NY K  
James M. Quacinella, NY R

Jeffrey D. King, TN D  
Juan P. Pena, TX Q  
Menntoallah M. Youssef, VA G  
Dawn M. Leyendecker, WI D  
Wade A. Hull, District 12  
Director, Advisor  
Ellie R. Armstrong, District 14  
Director, Consultant  
Jeremy N. Comardelle, District 5  
Director, Consultant  
Allen Klinger, District 16  
Director, Consultant

**Resolutions Committee:**

E. Victoria Loewer, CA B  
 Antonio Monterrosa, CA I  
 John M. Huynh, CA X  
 Karen M. Lee, CA W  
 J. Paul Chambers, CO A  
 Aarti H. Rupani, IL G  
 Andrew J. Rekeweg, IN E  
 Jose E. Baker, LA E  
 Erik D. Johnson, MA B  
 Jeremy J. Malchow, MI H  
 James L. Artmann, MN B  
 Reid B. Catt, MO B

Frank R. Opal, NE A, Chair  
 Linsey C. Phillips, NY B  
 Evan M. Clark, NY P  
 Jametta K. Thomas, NC E  
 Gregory A. Wilson, OH Z  
 DeLanna B. Robertson, OK A  
 Franklin J. Rytkonen, OR B  
 Yoonju Cho, PA H  
 Devraj Banerjee, RI A  
 Steven W. Menning, SD B  
 Eric M. Zimmerman, TN G  
 T. Wade Malone, TX G

Armando Garza, Jr., TX M  
 Joanna L. Gillie, WA B  
 Jennifer K. Wozniczka, WI B  
 Joshua R. Duncan, WY A  
 Curtis G. Campbell, District 5  
 Director, Consultant  
 Richard P. King, District 6  
 Director, Consultant  
 Elizabeth A. Stephan, District 5  
 Director, Consultant

**Award Committee:**

Matthew T. Uhrig, AL A  
 Melissa M. Caldwell, AL E  
 Andrew J. Leland, CA Z  
 Haley A.N. Kim, CA Y  
 Gregory M. Newcomb, CO B  
 Jeffrey A. Brateman, CO D  
 -----, CT G  
 Sarah C. Greenwood, DC G  
 Stephanie J. Campbell, GA A  
 Kathryn M. Dafoe, ID A  
 Daniel C. Tucker, IN G  
 Theresa A. LaFollette, KS A, Chair  
 Christy M. Bogard, KY B

Arden L. Moore, LA G  
 Athar N. Malik, MD A  
 Ibrahim O. Aroworowon, MD E  
 Aaron D. Scherwinski, MI B  
 Jeffrey J. Siple, MN A  
 Theresa L. Streit, MT B  
 Joseph A. Farco, NJ A  
 Wei Du, NY A  
 Setu Mohta, NY D  
 Matthew M. Crane, OH A  
 Anthony J. Halley, OH M  
 Erin M. Ferguson, OR G  
 Derek J. Owens, SC B

Julie K. Briley, TX A  
 Ryan R. Baskin, TX Z  
 Erin L. Wilson, VA B  
 Emilee L. Saiter, WV A  
 Barry L. Frost, III, District 7  
 Director, Advisor  
 Scott E. Fable, District 15  
 Director, Consultant  
 Edward P. Gorzkowski, District 3  
 Director, Consultant  
 Tricia E. Schwaller, District 12  
 Director, Consultant

**Chapter Advisor Committee (ad hoc):**

Sally G. Steadman, AL E  
 Raymond K. Auerbach, AZ G, Chair  
 Troy D. Topping, CA U  
 Sandra B. Pitzak, CO B  
 William A. Nace, CO Z  
 Robert E. Efimba, DC A  
 Frank C. Townsend, FL A  
 Larry D. Bauer, FL D  
 Edward H. Kalajian, FL Z  
 Jack M. Mahaney, GA B  
 Solveigh E.S. Sorenson, IL A  
 Bruce A. DeVantier, IL E  
 Amy L. Kaleita Forbes, IA A  
 David D. Kilzer, IA A  
 Richard J. Smith, IA A  
 Richard B. Hayter, KS G  
 Darrell W. Donahue, ME A

Gbekeloluwa B. Oguntimein, MD E  
 Gregory M. Wilkins, MD E  
 Randall R. Lapierre, MA Z  
 Megan E. Flynn, MI G  
 Colleen L. Hill, MI E  
 Andrew J. Flowerday, MI I  
 Andrew E. Toy, MI I  
 Charles R. Standridge, MI L  
 Richard P. Donovan, MT B  
 Sreelatha Akkapeddi, NJ G  
 Constantine H. Houpis, OH H  
 Robert L. Ward, OH I  
 Harwood A. Hegna, OH N  
 Robert C. Huck, OK A  
 Patrick D. Schmid, PA A  
 David S. Kaplan, PA G  
 Eli J. Wasserman, PA L

Dennis J. Fallon, SC G  
 Mikle V. Ellis, UT B  
 Carol E. Stephens, VT B  
 Christopher D. Hall, VA B  
 Robert R. Safford, VA G  
 Juan L. Bala, WA D  
 D. Joanne Wilson, WI E  
 Nila D. Bhakuni, District 1  
 Director, Advisor  
 Charles W. Caldwell, District 9  
 Director, Consultant  
 Eddie R. Fowler, District 9  
 Director, Consultant  
 Richard W. Mead, District 13  
 Director, Consultant

**Member Benefits (ad hoc):**

John C. Chang, CA E  
 Matthew D. Kelsey, IL E  
 Powell M. Kinney, LA B  
 Mela R. Johnson, MD D, Chair  
 Matt Gorelik, MA H  
 Jason C. Keller, MA I  
 Sachet Shah, MI K  
 Drew A. Hall, NV B  
 Sara A. Atwood, NH B  
 Philip K. Engel, NJ B  
 P. Evan Woolard, NY G  
 Michael W Davis, NY Q

Kara S. Chylinski, NY M  
 Kathryn L. Goetschius, NY S  
 Nathaniel C. Horner, NC A  
 Jay R. Klosterman, OH Q  
 Ahmad Z. Mat, OK B  
 Steven H. Back, PA G  
 Gregory R. Bouton, PA E  
 Erin E. Vogel, PA Q  
 Stephanie J. Bechtold, PA L  
 Raymond R. Foltz, SC G  
 Obiorah I. Oji, TX H  
 Mackenzie B. Britton, TX I

Amanda E. Cavazos, TX L  
 Alexander B. Neal WV B  
 James C. Hill, District 11  
 Director, Advisor  
 Curtis D. Gomulinski, District 7  
 Director, Consultant  
 Joseph J. Hanby, District 6  
 Director, Consultant  
 Joseph G. Macro, District 8  
 Director, Consultant  
 Lisa C. Pawlak, District 4  
 Director, Consultant

President Ohland announced that the Executive Council had appointed Ronald M. Hickling as Permanent Chair of the Convention, in accord with the Bylaws. He yielded the gavel to Mr. Hickling who announced that Trust Advisory Committee member James W. Johnson Jr. would serve as Convention Parliamentarian, *Robert's Rules of Order Revised* would be followed at the business meetings, and closure would be reached on all business issues. With the aid of a PowerPoint presentation, Mr. Johnson presented the fundamental principles of parliamentary procedure.

Chairman Hickling declared the First Business Meeting of the Convention closed at 4:02 p.m.

**The Headquarters display** was present during the Convention in the foyer of the hotel. Refreshments were served from noon until 3:00 p.m. in the Concord Room of the hotel where **displays** were staffed by Bechtel Jacobs Company LLC, Case Western Reserve University Master of Engineering and Management Program, Clemson University College of Engineering and Science, Columbia University School of Engineering and Applied Science, The David Crawford School of Engineering at Norwich University, Florida High Tech Corridor Council, Fluor, Harris Corporation, Iowa State University College of Engineering, Lehigh University P.C. Rossin College of Engineering and Applied Science, University of Michigan College of Engineering, NASA-Kennedy Space Center, NCEES, University of Oklahoma College of Engineering, Pratt and Whitney, Rensselaer Polytechnic Institute, Sandia National Laboratories, Shell Oil Company, U.S. Army PEO STRI, and University of Virginia School of Engineering and Applied Science.

**Meetings of all Convention Committees** were held in rooms of the hotel starting at 4:10 p.m. Engineering Futures Facilitators presented **Engineering Futures orientation meetings** for all non-voting delegates.

**District Meetings** and an **orientation meeting for committee chairs** were held in rooms of the hotel starting at 5:00 p.m.

**The Welcoming Dinner** of the Convention was held at 6:30 p.m. in the Ivanhoe Ballroom of the hotel; seating was by Districts. Arrangements Chair Christopher J. Ekberg was master of ceremonies; he welcomed all visitors to Orlando and challenged the delegates to learn what would be taught at the Convention to help both the Society and their chapters. Mike Shannon, P.E., director of professional services for NCEES, welcomed the group and said that engineers are opportunists, explained the benefits of licensure, and encouraged delegates to take the F.E. examination while still students. John Atchason, President of FL Delta, thanked the volunteers and presented his Top 10 list of characteristics indicating why one might be an engineer. Dr. John C. Hitt, president of the University of Central Florida, said that his institution had been established for 40 years, had 42,000 students, and granted 9,000 degrees per year, and he reviewed its unique programs. Dr. Martin P. Wanielista, MI Delta '64, manager of the UCF Stormwater Research Program, stated that UCF was pleased to host the Convention, encouraged graduate study, asked delegates to imagine the many opportunities to serve others, and congratulated the Tau Beta Pi members for their achievements. President Ohland welcomed the delegates on behalf of the Association, encouraged the delegates to get to know their fellow members during the Convention, and thanked the NCEES for its sponsorship. A total of 457 people enjoyed the banquet, sponsored by NCEES and featuring stuffed chicken and cheesecake.

**Meetings of all Convention Committees** and **Engineering Futures groups** reconvened at 8:00 p.m.

Refreshments were served at 9:30 p.m., compliments of Rensselaer Polytechnic Institute.

**Committee and Engineering Futures Meetings** reconvened at 8:00 a.m. on October 8.

**Interactive Chapter Exchanges (ICE)** were held starting at 10:00 a.m. in rooms of the hotel. Seventeen small-group exchange seminars were conducted, each with one or more District Directors and/or Engineering Futures Facilitators serving as moderators. Booklets containing background notes on the subjects of eligibility, election, and initiation of new members, of chapter management and projects, of the "Chapter Growth Cycle," and of group analytical problem solving were provided.

Lunch was served in the Ivanhoe Ballroom of the hotel at 12:00 noon, and seating was by ICE Groups. A total of 454 people enjoyed the vegetarian lasagna. After the meal, Mr. Froula presented a summary of the **Executive Director's Report** for 2003-04, which was given to each Convention registrant (and appeared in the Fall 2004 **BENT**).

Secretary Froula and Councillor A.L. Hu presented 44 **Secretary's Commendations** for perfection of Headquarters reports and timely payment of fees in 2003-04 to: Alabama Alpha, Alabama Beta, Alabama Delta, Arizona Gamma, California Sigma, Colorado Alpha, Colorado Zeta, Florida Theta, Idaho Alpha, Idaho Beta, Michigan Alpha, Michigan Gamma, Minnesota Beta, Missouri Gamma, New Jersey Gamma, New Mexico Gamma, New York Gamma, New York Delta, New York Nu, New York Tau, North Dakota Beta, Ohio Beta, Ohio Delta, Ohio Kappa, Ohio Lambda, Ohio Mu, Oregon Beta, Tennessee Alpha, West Virginia Beta, Wisconsin Delta, and the 14 chapters listed below.

Secretary Froula and Councillor Hu presented letters of recognition and promised **Chapter Performance Scholarships** of \$500 to students to be identified of the following 14 chapters that had won three consecutive Secretary's Commendations: California Alpha, Iowa Alpha, Louisiana Gamma, Maryland Beta, Michigan Iota, New York Iota, Ohio Iota, Ohio Nu, Oregon Gamma, Pennsylvania Epsilon, South Carolina Alpha, South Dakota Alpha, Vermont Beta, and Wyoming Alpha.

As part of the **Chapter Development Program**, Assistant Secretary Hawks presented information about the 12-week membership process.

The Convention **group photograph** was taken at 1:30 p.m. in Beth Johnson Park. Photographs were delivered to the delegates after the Saturday dinner.

**Interactive Chapter Exchange Committee and Engineering Futures Meetings** reconvened at 2:00 p.m.

A refreshment beverage break was provided at 3:00 p.m.

## **SECOND BUSINESS MEETING**

### **Friday, October 8, Ivanhoe Ballroom, Radisson Plaza Hotel**

Chairman Hickling called the meeting to order at 3:26 p.m. The **Tellers' Committee**, comprised primarily of alternate delegates, had been appointed by Chairman Hickling as follows: M.M. Mejias (DC A Alt.), M.D. Adams (KS A Alt.), B.A. Belsky (MI G Alt.), A.J. Heinlein (MI G Alt.), M.J. McGinnis (MI G Alt.), J.R. Powers (MI G Alt.), R. Ramos (MI G Alt.), S.L. Scott (MI G Alt.), B.E. Toth (MI G Alt.), and A.W. Tury (MI G Alt.), J.M. Renno (NV B Alt.), M.S. Henley (OH K Alt.), M.Y. Fozdar (OK A Alt.), F.T. Alamudun (TX Q Alt.), M.L. Hollist (UT A Alt.), K.J. Stowers (UT A Alt.), and P.M. Biedler (WV A Alt.). Secretary Froula reported that registration was complete with 259 delegates registered and provided voting totals required for various actions.

**The Report of the Committee on Petitions** was called. E.M. Borst (KS B), Chair, reported that his committee had reviewed the final petition and the reports of the inspection committees for Epsilon Eta Sigma at the University of California, Riverside, and had met with the petitioners and heard their presentation. He introduced Dr. Dennis K. Rice and Chris G. Mayhew, president of EHS. Dr. Rice reviewed the history of UCR since its establishment 50 years ago. The university has 16,000 students, is growing rapidly, and includes a college of engineering with three centers and four departments, each with degrees through the doctorate. Completion of the new engineering building is expected in January 2005. Mr. Mayhew reported that the society for the last year has followed an election procedure used by Tau Beta Pi chapters, reviewed project activities, and stated that candidates are required to participate in resume workshops, a Habitat project, and informal interviews at a pizza party.

Mr. Borst **moved**, seconded by F.J. Rytkonen, (OR B), **to approve the petition from the University of California, Riverside, and to establish the California Alpha Beta Chapter**. Mr. Borst reviewed the criteria used by his group: (1) quality of students, including selection from the top 1/8 of the junior and 1/5 of the senior classes; (2) character is determined by observation, interviews, and activities such as mentoring. There was no further discussion, and the ballots were distributed. When the voting was completed, Mr. Hickling later announced the results: 235 in favor and none opposed. **The chapter was therefore granted, to be known as California Alpha Beta**. Representatives were brought to the front of the room and given an enthusiastic standing ovation.

**The Report of the Committee on Chapter and Association Financial Affairs** was called. S.M. Moody (OH I), Chair, said that her group had completed its work on three charges. It reviewed the auditor's and Treasurer's reports for 2003-04, compared the financial statements in the reports, and recommended that the Executive Council evaluate the current method of determining revenue and liability from life subscriptions to THE BENT and make appropriate changes to the Life Subscription Fund.

Ms. Moody said that her group had reviewed the chapter accounts receivable, had attempted to determine the cause of the debt of the 11 chapters with excessive outstanding balances, and made four recommendations to prevent future outstanding balances: (1) letters to chapters with outstanding balances should be sent by email in addition to the letters; (2) chapters should collect initiation fees in full before the initiation in order to make timely payments; (3) chapters with financial difficulties should seek extensions when necessary; and (4) chapters should include an advisor on all financial accounts for continuous financial control during officer transition.

Ms. Moody stated that her group had examined the 2004 Convention expenses and had decided upon changes necessary for the 2005 Convention; it would be necessary to raise the cost of on-site breakfasts from \$5 to \$9, maximum. She **moved**, seconded by N.G. Garafolo (OH K), **that the expense reimbursement allowance for the 2005 Convention be the same as that of the 2004 Convention, except for on-site breakfasts**. This policy provides driving reimbursement of \$.25 per mile plus \$.05 per mile for additional member-passengers (3 maximum) and \$42 lodging en route only; flying reimbursement for a 14-day advance-purchase ticket for a delegate and 20% of a 14-day advance-purchase airline ticket for one non-voting delegate per collegiate chapter, for a maximal reimbursement of \$200; meal reimbursement for delegates only of \$5, \$6, and \$8 for breakfast, lunch, and dinner en route (limited to three meals each way), terminal expenses and \$9 for on-site breakfasts at the Convention. She yielded the floor to P.M. Corbell (OH H), who said that the committee had researched costs at the Salt Lake City Sheraton Hotel and decided to raise the maximum reimbursement for the two on-site continental breakfasts. K.D. Bowles Jr. (KY A) reviewed the Association's 2004 -05 budget and said this change would result in a cost increase of \$1,600 on a \$291,000 budget. There was no further discussion, and the **motion passed** on a voice vote.

**The Report of the Committee on Rituals** was called. R.A. Williams (IL A), Chair, requested that all non-members be excused from the room and said that her group had prepared for the model initiation and had reviewed the additional charge to modify the Ritual. Because light-boxes are now unavailable, her group recommended that Headquarters would provide a transparency or a digital image in pdf or ppt format for a computer projector; projection would be optional for current chapters, but would make the image more easily seen in large auditoriums. She **moved**, seconded by M.B. Britton (TX I), **that the Ritual be modified to allow projection of an image.** J.M. Glasgow (IA B) said that all existing light boxes may continue to be used. Ms. Williams reviewed in detail the proposed revised instructions in the Ritual. J.A. Farco (NJ A) asked for minor grammatical corrections, which were made. D.D. Kilzer (IA A Adv.) inquired if the image involved is secret, and A.J. Weingarten (VA E) said that it is on the website (it is not). A.B. Beers-Green (WA D) inquired what should be done with old boxes, and Secretary Froula said that they should be sent to Headquarters. A.J. Pinkus (D2D) requested that the word "approved" be added to the instructions. There was no further discussion, and the **motion was approved** on a voice vote.

**The Report of the Committee on Convention Site** was called. B.M. Crawford (IA A), Chair, said that his group had heard the presentations by California Alpha/Lambda/Upsilon/Phi/Alpha Alpha and Michigan Iota to host the 2007 Convention in either Sacramento or Dearborn, found that both bids met all requirements, and developed a ranked matrix in order to reach a decision. He urged the California chapters to re-submit the Sacramento bid to the 2005 Convention and **moved**, seconded by M.L. Richter (TX B), **to accept the Convention bid of Michigan Iota to host the 2007 National Convention in Dearborn, MI.** M.M. Youssef (VA G) thanked both groups for their excellent presentations, said that the committee expected more alternate delegates could attend a central location, said that Michigan Iota was well-prepared for questions, that the hotel was directly across from the campus and nine miles from the airport, and that 75 percent of the delegates could obtain direct flights to Detroit. J.C. Kerby (CA Y) objected to the motion because the five chapters in California could offer more strength and stability, because the vote in committee was close, because the five chapters had worked hard, because they initiated 226 members while Michigan Iota initiated 35 last year, because the \$100,000 cost differential might be made up by increased sponsorships by local firms, and because the image of Tau Beta Pi would be enhanced in the West Coast region. He **moved**, seconded by U.J. Ntuk (CA Th), **to amend the motion and to accept the bid from California Alpha, Lambda, Upsilon, Phi, and Alpha Alpha to host the 2007 National Convention in Sacramento, CA.** J.R. Morse (MI E) said that each point above was thoroughly debated in committee and that the California bid would cost an additional \$100,000. E.M. Borst (KS B) requested that we all just get along and accept the Michigan bid in 2007 and the California bid in 2008. P.D. Homen (Sac. AC) asked if the committee had considered image enhancement as a priority. S. Jennings-King (Minn TC AC) inquired if the 2000 California Convention showed high corporate contributions; Secretary Froula said that they were average. J.D. King (TN D) stated that Michigan Iota was convincing and well-prepared. A.J. Hebert (CA A) said that metrics were used to make it easy to see a large disparity in small differences. Debate was ended on a show of hands, and a voice vote was inconclusive; however, a division of the house was called, and the **amendment failed** on a show of hands with 82 in favor and 147 opposed. After debate ended on a show of hands, the **motion passed** on a show of hands, and **Michigan Iota will host the 2007 National Convention in Dearborn, MI.**

**The Report of the Committee on Resolutions** was called. F.R. Opal (NE A), Chair, said that his group had reviewed the history of the Secretary's Commendation, which is given annually to chapters that supply all paperwork and fees to Headquarters on time and correctly. He reviewed the history of the Chapter Performance Scholarships, which are given to chapters receiving three or more consecutive Secretary's Commendations with the initial goals of launching an undergraduate scholarship program and providing an incentive for chapter performance. In 2003, the Executive Council reviewed the program and amended it so that scholarships would no longer be provided, but the 2003 Convention requested that the Council refer the decision to the 2004 Convention. In 2000-01, there were 55 SCs and 26 scholarships; in 2001-02, 43 SCs and 15 scholarships; in 2002-03, 50 SCs and 14 scholarships, and 2003-04, 44 SCs and 14 scholarships. The cost of scholarships was paid from the General Fund, and for the last four years totaled \$13,000, \$7,500, \$7,000, and \$7,000. His group wishes to establish a Secretary's Commendation Award annually in the amount of \$100 for the first SC, \$200 for the second consecutive SC, and \$300 for the third and each consecutive year until a chapter fails to earn a SC. All paperwork and fees must be submitted to Headquarters correctly and on time, funds will be credited to each chapter's Headquarters account, and awards will be made at the Convention. In the last 14 years, the highest number of SCs in a single year was 81, but only 18 of those were recognized with three-year awards. The projected cost of the new plan is  $18 \times \$300 + 31.5 \times \$200 + 31.5 \times \$100 = \$14,800$ . Mr. Opal noted that if the resolution does not pass, SC scholarships would no longer be given; those chapters on track to SC scholarships will still be able to receive an award with this resolution, the increasing award amount would better enable the goal of increased chapter incentive, and the committee voted unanimously to have chapters continue their current year's ranking in the new system. He **moved**, seconded by D.K. Chan (UT B) **to adopt the new "Secretary's Commendation Award" as a trial program, using increasing award amounts of \$100, \$200, and \$300 for one, two, and three or more consecutive SCs respectively with the award being credited to each chapter's Headquarter's account and the program to be revisited at the 2009 Convention.** B.M. Crawford (IA A) requested that cost figures be provided as if this program had existed in recent years. M.Gorelik (MA H) said that prompt cash awards would be helpful to chapters. D.S. Pierre, Jr. (Dir of Fell) said that the Executive Council's proposed elimination of \$500 awards was made for prudent financial reasons, asked that the motion be defeated, and requested that it be referred to the Council. K.L. Martin (Al Vis) asked if this proposal would be a scholarship and what source would provide for the funds the program. E.A. Stephan (D5D) said that the award would no longer be a scholarship and that the source is the General Fund. Dr. H.A. Hegna (OH N Adv) said that last year's vote was approximately two-to-one to overrule the Council's proposal to eliminate the program and that this new proposal is carefully designed. E.M. Zimmermann (TN G) said that the program was restructured

to provide cash to chapters more quickly. Councillor Pierce said that it would be irresponsible to establish this program without identifying a source of revenue and that this proposal could cost the Association \$60,000 per year. Mr. Opal said that financial analysis should be referred to the 2005 Finance Committee. Debate was ended on a show of hands, and the **motion passed** on a show of hands.

**The Report of the Committee on Constitution and Bylaws** was called. U.J. Ntuk (CA Th), Chair, acknowledged his committee leaders, reviewed the charge to his group to review a proposal to amend the Constitution and Bylaws and to unify the Society on the issue of curriculum eligibility, and said that it would report in the Third Business Meeting.

**The Report of the Committee on Chapter Advisors** (*ad hoc*) was called. R.A. Auerbach (AZ G Adv), Chair, said that his group had been charged to review materials for advisors to present at Spring Conferences and that it would report in the Third Business Meeting.

Chairman Hickling introduced Vice President E.D. Styles, who reviewed the history of The Bicycle Project, said that it would trademark the Society and improve its visibility and would appeal to corporations for support, showed a sample start-up project manual funded by General Dynamics, and noted that Alabama Delta, Michigan Lambda, and New Jersey Gamma are already involved in the project.

The Second Business Meeting was adjourned at 5:20 p.m.

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**District Meetings** reconvened at 5:30 p.m.

Dinner was held at 6:45 p.m. in the Ivanhoe Ballroom; seating was by committee grouping. Jeremy N. Comardelle (D5D and FL A Adv) was master of ceremonies. A total of 459 people enjoyed the steak entree. The chapter advisors at the Convention were specially recognized by Secretary Froula and the delegates.

Secretary Froula and Councillor Hu presented 34 **Chapter Project Awards** for excellence in project work during 2003-04 to: Alabama Delta, Alabama Epsilon, Alaska Alpha, California Alpha, California Gamma, California Sigma, California Psi, California Alpha Alpha, Illinois Alpha, Iowa Alpha, Louisiana Gamma, Michigan Delta, Missouri Alpha, New Mexico Gamma, New York Delta, North Dakota Beta, Ohio Mu, Oregon Gamma, Texas Alpha, and to the 15 chapters listed below.

Secretary Froula and Councillor Hu presented letters of recognition and **Chapter Performance Scholarships** of \$500 each to engineering students who would be named later of the following 15 chapters that had won three consecutive Chapter Project Awards: District of Columbia Alpha, Florida Alpha, Maryland Beta, Michigan Gamma, Michigan Epsilon, Michigan Theta, Michigan Iota, Nevada Beta, New York Kappa, Ohio Beta, Ohio Iota, South Dakota Alpha, Tennessee Alpha, Vermont Beta, and Wyoming Alpha.

Secretary Froula presented a recognition plaque to Maine Alpha, which successfully nominated the 2004 Laureate.

Assistant Secretary Hawks presented information about the Tau Beta Pi website.

Vice President Styles presented a special plaque to Alabama Delta for its outstanding performance during Phase I of The Bicycle Project.

Director Brenner presented Engineering Futures Iron Man and Iron Woman Awards to Joseph P. Blackford and Solange C. Dao for presenting 22 and 21 Engineering Futures seminars, respectively.

Sherry Jennings-King and other officers and directors presented a skit to the delegates about philanthropy.

**Committee and Engineering Futures Meetings** reconvened at 8:15 p.m. Refreshments were served at 9:45 p.m., compliments of Rensselaer Polytechnic Institute.

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### **THIRD BUSINESS MEETING** **Saturday, October 9, Ivanhoe Ballroom, Radisson Plaza Hotel**

Chairman Hickling called the meeting to order at 8:13 a.m. Secretary Froula reported that 259 voting delegates and national officers were registered, thus fixing the number of votes required to pass various items of business.

**Continuing the Report of the Committee on Petitions**, E.M. Borst (KS B), Chair, said that his group had completed its work.

**Continuing the Report of the Committee on Chapter and Association Financial Affairs**, S.M. Moody (OH I), Chair, said that her group had completed its work.

**Continuing the Report of the Committee on Rituals**, R.A. Williams (IL A), Chair, said that her group had completed its work except for the Model Initiation Ceremony.

**Continuing the Report of the Committee on Site**, B.M. Crawford (IA A), Chair, said that his group had completed its work.

**Continuing the Report of the Committee on Constitution and Bylaws**, J.E. Ntuk (CA Th), Chair, said that his group had completed a great amount of work in its charge to simplify the Constitution, address a solution to membership eligibility, and make a clear presentation to the Convention. He reviewed the Preamble (...students in engineering...), non-engineering fields from which chapters have initiated members, explained the overlap between traditional engineering and traditional science curricula, reviewed actions taken by the 2002 Convention that added a requirement for ABET EAC programs, required chapters to document eligible curricula in their bylaws, and established a process to approve other curricula that left final approval to the Executive Council. The Council's proposal to the 2004 Convention treats curricula individually, clearly, and universally, but is restrictive. The new proposal would require that curricula be administered by a unit of engineering and include the noun "engineering" in its name, would replace Executive Council approval with an appeal to the Convention through referral to a committee and approval by a simple majority of delegates, and would restrict chapters from excluding any ABET EAC-accredited curriculum. The proposal contains housekeeping items that would eliminate eligibility curricula outside the engineering unit, modify the language for definition of juniors and seniors, remove the restriction on initiating less than one week before graduation, and mirror the proposed changes for graduate-student eligibility. He presented a transition resolution as follows:

#### **Resolution**

**Whereas, The Association requires sufficient time to implement the revisions to Constitution Article VIII, Sections 2 and 3; now, therefore, be it**

**Resolved, That Chapters may continue to consider students of curricula not specified in Constitution Article VIII, Section 2(a) or 3(a), if the Chapter has considered students of these curricula eligible at any time since January 1, 2002. Chapters must appeal to Convention, as specified in Constitution Article VIII, Section 2(b) and 3(b), the eligibility of students of such curricula no later than the 2006 Convention. Students in such curricula not approved prior to the adjournment of the 2006 Convention may no longer be considered eligible until the curricula are approved by Convention.**

Mr. Ntuk reviewed committee's recommendations to the Executive Council, 2005 and 2006 Conventions, and chapters to be involved in the curriculum-appeals process:

#### **Recommendations for the Curriculum-Appeals Process**

To: The Tau Beta Pi Executive Council

From: The 2004 Constitution and Bylaws Committee

Date: October 9, 2004

The 2004 Committee on Constitution and Bylaws proposes, without binding future Conventions or committees appointed by the Executive Council at future Conventions, certain recommendations intended to clarify the appeal process for making students eligible from curricula which are not covered under Article VIII, Sections 2(a) and 3(a), of the constitutional amendment proposed by our Committee at the 2004 Convention.

The set of recommendations is divided into two parts: one intended for chapters wishing to appeal to Convention the eligibility of those curricula which they believe are engineering, and the other intended for future Convention committees which will review such appeals. Compliance with these recommendations does not automatically guarantee that appeals will be approved by Convention, and they are not intended in any way to prejudice the judgment of future Convention committees on any particular appeal. These recommendations are intended to provide a point of reference and explain, in concrete terms, what the writers of the 2004 constitutional amendment have informally considered as part of a reasonable appeals process.

#### **Section I: Recommendations to the Chapter appealing for eligibility of students under Article VIII, Sections 2(b) and 3(b)**

The appealing Chapter should submit the following documents to the Executive Council no later than June 1 of the year in which it desires to appeal to Convention:

1. A one-page summary describing why the proposed curricula should be deemed worthy to qualify a student candidate for eligibility.
2. One letter of support from the dean of engineering, department chair, or a faculty member from the curricula being appealed.
3. One copy of the institution's current course catalog including the set of courses that can be taken by students from curricula being appealed.

If submitted, items (1) and (2) above should be mailed by National Headquarters to the voting delegates of the committee considering the Chapter's appeal by September of that year. Item (3) should be available as a reference to the Committee considering the appeal and delegates at the National Convention.

In addition, we wish to make the following recommendations to Chapters appealing for eligibility of students from curricula under Article VIII, Section 2(b) and 3(b):

1. Delegates from the appealing Chapter should be prepared to answer questions from the Convention committee reviewing their appeal. They should also be prepared to contact by phone the dean or faculty member(s) of the appealed curricula for consultative purposes during the Convention.
2. It is important that supporting documentation provided by the Chapter to the Committee be concise and relevant. The 2005 and 2006 Conventions are likely to be considering many appeals and will appreciate a cogent and concise argument rather than an overload of testimonials and data.
3. With relevance to (2) above, we recommend, specifically, that Chapters emphasize the distinct engineering nature of the appealed curricula at their institution and what distinguishes these curricula from possibly similar curricula in liberal arts and applied sciences. This could be accomplished, for example, by one or more of the following:
  - a. Brief outline of a common or core undergraduate engineering program, if it exists, that the appealed curricula share with curricula defined under Article VIII, Section 2(a).
  - b. Indication of the degree of overlap in coursework between appealed curricula and curricula from which students are considered eligible.
  - c. Comparison of the proposed curricula with EAC-accredited curricula at the same institution or other institutions.
  - d. Representative examples of design elements in upper level courses typically taken by a student pursuing such curricula.
  - e. If possible, a short summary of career paths taken by graduates who pursued the appealed curricula in the past.
4. Following the 2005 Convention, Chapters may choose to compare their appeals with similar appeals approved by past Conventions.
5. Chapters should acknowledge all accreditations, if any, that the proposed curricula presently have.

**Section II: Recommendations to future Convention committees dealing with appeals under Article VIII, Sections 2(b) and 3(b)**

While it is not the intention of the 2004 Committee on Constitution & Bylaws to prejudice or influence any future Conventions and Convention committees reviewing appeals, we humbly submit that these bodies consider the following:

1. If a school appeals for more than one curriculum to be included under Article VIII, Section 2(b) and 3(b), each curriculum under appeal should be considered independently.
2. The appeal of any Chapter should not be prejudiced or rejected because the appealed curriculum has the same name as a curriculum previously rejected by Convention, or is an excluded program under EAC/ABET.
3. A lack of accreditation or plans to seek accreditation should not prejudice the recommendation of the committee reviewing appeals.

Mr. Ntuk **moved**, seconded by N.G. Garafolo (OH K), **to amend Const. VIII, Sec. 2 & 3, as presented below, and to accept the Resolution and the Recommendations for the Curriculum-Appeals process.** A.J. Sabet-Peyman (CA G) said that his chapter was concerned about the Council's original proposal, but that this proposal was a reasonable solution, and it has the unanimous approval of the committee and the Executive Council. He added that compromise, collaboration, and unity among the chapters would result if this motion were accepted.

Proposal to amend  
Constitution Article VIII  
Membership

**SECTION 2. Eligibility of Undergraduates Students**

- (a) ~~To be eligible for election, the candidate shall be a student pursuing a regular, undergraduate engineering day curriculum of the institution. A regular, undergraduate engineering day curriculum must meet the curriculum criteria set forth by the Engineering Accreditation Commission, or its successor(s), of the Accreditation Board for Engineering & Technology (ABET). Individual programs need not be ABET-accredited to be considered. Students pursuing equivalent curricula in evening (night) school, when such curricula are administered by the dean, or equivalent, and faculty of the college or school of engineering of the institution, may be eligible to election after a five-sevenths favorable vote of the Advisory Board and approval by the Executive Council. Candidates for membership shall meet the scholarship provisions of this Constitution and shall have exemplary character as enunciated in the Eligibility Code of the Association.~~ To be eligible for election, the candidate shall be a student pursuing an undergraduate engineering curriculum of the institution. An engineering curriculum is defined as one that meets any of the following criteria: (i) is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET) or its engineering-accreditation successor(s); (ii) is administered by a unit (a department, school, or college) of engineering and has the same name as any program accredited as described in criterion (i); or (iii) is administered by a unit of engineering and includes the noun 'engineering' in its name. Candidates for membership shall meet the scholarship provisions of this Constitution and shall have exemplary character as enunciated in the Eligibility Code of the Association.
- (b) ~~Students of other curricula may be eligible for election as undergraduate members if and when their curricula are administered by the dean, or equivalent, and faculty of the college or school or unit of engineering of the institution. Students may be considered eligible for election, and may be considered by departments, after such curricula have received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1); the five-sevenths favorable vote of the Advisory Board, and the written approval of the Executive Council. Such~~

curricula that meet these criteria shall be considered engineering curricula. A Chapter may appeal to Convention the eligibility of students of other undergraduate curricula that: (i) are administered by a unit of engineering of the institution; (ii) have received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1); and (iii) have received the five-sevenths favorable vote of the Advisory Board of the Chapter. Such curricula that have received the approval of Convention shall be considered engineering curricula as well.

- (c) A Chapter may decide for itself by a three-fourths majority vote, subject to the five-sevenths approval of its Advisory Board, to exclude from eligibility all students of a particular curriculum who undergraduate curriculum that, in the opinion of the Chapter, are not engineering students is not an engineering curriculum, even if their curriculum is administered by the college, school, or unit of engineering of the institution. Curricula satisfying criterion (i) of Const. Art. VIII, Sec. 2(a), may not be excluded.
- (d) ~~In institutions where an engineering curriculum has been administered by the engineering faculty for several years and later is transferred to the faculty of another college or division of the same institution, the established practice of electing to membership students pursuing this engineering curriculum, even though no longer administered by the dean, or equivalent, or faculty of engineering, may be continued after it has received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1), the five-sevenths favorable vote of the Advisory Board, and the written approval of the Executive Council.~~
- (e) ~~In institutions where it has been the established practice to elect to membership students pursuing a curriculum not actually administered by the dean, or equivalent, and faculty of the college, or school, or unit of engineering, but which is nevertheless recognized as an engineering curriculum, the established practice may be continued indefinitely after it has received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec 1), the five-sevenths favorable vote of the Advisory Board, and the written approval of the Executive Council.~~
- (f) A Chapter must list in the Bylaws of the Chapter all curricula that it deems worthy to qualify a candidate for eligibility. See Bylaw V, Sec. 5.03.
- (g) In any institution, those Juniors who are scholastically in the upper eighth of their regular engineering class all students of curricula listed in the Chapter's Bylaws per Subsection (f) shall be eligible for election.
- (h) To be considered juniors, students shall be in the next-to-the-last year of their undergraduate engineering curriculum or shall have completed the institution's requirements for junior standing. ~~in the curriculum. In institutions with a cooperative program, students may be regarded as juniors when fifty percent of the institution's specified undergraduate academic degree requirements have been completed. Students in approved evening curricula shall be eligible for election as juniors when their total credits for scholastic work completed shall be not less than those of the eligible day juniors.~~
- (i) Those students whose scholastic records fall within the upper fifth (upper quarter for graduations in June 1941 and earlier) of the class shall be eligible for election at the beginning of the first and second quarters, terms, or semesters of the senior year (or first and third quarters of their senior year, at the option of the Chapter). Seniors who are scholastically in the upper fifth of all students of curricula listed in the Chapter's Bylaws per Subsection (f) shall be eligible for election.
- (j) To be considered seniors, students shall be in the last year of their the undergraduate engineering curriculum or shall have completed the institution's requirements for senior standing. ~~in the curriculum. In institutions with a cooperative program, students may be regarded as seniors after having completed seventy-five percent of the undergraduate academic degree requirements specified by the institution. Students in approved evening curricula shall be eligible for election as seniors when their total credits for scholastic work completed shall be not less than those of the eligible day seniors.~~
- (k) The upper eighth and fifth of a class shall be determined by the relative point ratings (except as noted below) based upon the net number of regular engineering students enrolled in the junior and senior classes respectively at the time of election. See Bylaw VI, Sec. 6.02. If a Chapter is unable to obtain the relative point ratings or fulfill the requirements of Bylaw VI, Section 6.02 and/or Section 6.04, the Chapter shall submit in writing the method used for determining the upper eighth and fifth to the Executive Council for approval or disapproval.
- (l) Special students and those students who are not candidates for an engineering degree shall not be counted, and transfer students who are not eligible for election need not be counted, in determining the enrollment or the numbers who are eligible for election.
- (m) Undergraduate students transferring from another institution shall not be eligible for election until the third regular election after their registration. Students subject to this subsection shall be eligible at the second regular election after their registration, provided the consent of five-sevenths of the Advisory Board is obtained and they meet the other requirements for election. See Bylaw VI, Sec. 6.02 (d).
- (n) The cases of students whose eligibility is in doubt because of irregular standing or curriculum shall be referred to the Advisory Board of the Chapter and to the Executive Council for the determination of the terms and times of eligibility.
- (o) The existence of conditions or failures in a student's undergraduate record shall not prevent consideration and election, provided the point-rating is within the upper eighth or fifth of the class.
- (p) ~~An undergraduate engineering student shall not be initiated into membership if less than one week of strictly academic work is required before the student's scheduled time for graduation.~~

### SECTION 3. Eligibility of Graduate Students

- (a) A Chapter may elect to membership any candidate in a graduate engineering curriculum (see Section 2(a) for the

- definition of an engineering curriculum) for an engineering graduate degree, master's, doctor's, or professional, at its institution, after the student has been in residence for one semester or two quarters and has completed at least 50% of the degree requirements, including coursework and research, as determined by the student's primary academic advisor.
- (b) A Chapter may appeal to Convention the eligibility of students of other graduate curricula that: (i) are administered by a unit of engineering of the institution; (ii) have received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1); and (iii) have received the five-sevenths favorable vote of the Advisory Board of the Chapter.
  - (c) A Chapter may decide for itself by a three-fourths majority vote, subject to the five-sevenths approval of its Advisory Board, to exclude from eligibility all students of a particular graduate curriculum that, in the opinion of the Chapter, is not an engineering curriculum. Curricula satisfying criterion (i) of Section 2(a) may not be excluded.
  - (d) A Chapter must list in its Bylaws all graduate engineering curricula that it deems worthy to qualify a candidate for eligibility. See Bylaw V, Sec. 5.03.
  - (e) Complete proof of the worthiness of a candidate for election shall be presented in writing to the Secretary-Treasurer of the Association. Such proof shall include: (i) evidence of the candidate's scholastic eligibility, consisting of certification of the standing in the top fifth of the graduate class or, if class rank cannot be determined, a statement by a faculty member that the candidate is doing graduate work of the quality expected of a member of the Association; (ii) a list of the degree(s) held by the candidate, the institution(s) which granted the degree(s), and the year in which each degree was granted; and (iii) a statement from the Advisory Board of the Chapter that it believes the candidate to be worthy of membership in the Association and approves election of the student. See Bylaws VI, Sec. 6.04 (a) and (b); and VIII, Sec. 8.04. ~~(b) A Chapter must list in the Bylaws of the Chapter all graduate-degree programs that it deems worthy to qualify a candidate for eligibility. See Bylaw V, Sec. 5.03.~~
- (Additions underlined; deletions struck.)

M.A. Granny (OH B) **moved**, seconded by K.J. Brekke, (AL D), **to amend Sec. 2(h) to add the sentence "In institutions with a cooperative program, students may be regarded as juniors when fifty percent of the institution's specified undergraduate academic degree requirements have been completed."** She said that this addition is important to her chapter because her college has a mandatory co-op program. Further discussion made the point that this statement would be unnecessary because Sec. 2(n) already covers this case. There was no objection to closing debate, and a voice vote on the amendment was inconclusive. The **amendment passed** on a show of hands with 118 in favor and 105 opposed.

S.J. Campbell (GA A) **moved**, seconded by B.J. Call (UT G), **to amend Sec. 2(c) to delete the sentence "curricula satisfying criterion (i) of Const. Art. VIII, Sec. 2(a), may not be excluded."** A.J. Pinkus (D2D) said that chapters should be allowed to exclude programs such as engineering management. Mr. Ntuk said that his group concluded that the best method to evaluate programs is through ABET/EAC. Debate was closed without objection, and the **motion failed** on a voice vote. J.T. Wade (ONC AC) **moved**, seconded by an unidentified delegate, **to amend Sec. 3(a) to restore the words "at its institution."** There was no objection, and Chairman Hickling ruled that the **body accepted the amendment**. P.M. Corbell (OH H) thanked the committee for its efforts, said that his institution is strictly a graduate military institution and that some students are ordered into specific majors, and he opposed the motion. J.A. Wigginton (AR A) **moved**, seconded by M.M. Caldwell (AL E), **to recess for 15 minutes** to allow all delegates to read the proposal. Debate was closed on a show of hands, and the **motion to recess failed** on a show of hands. L.C. Vaughn (AL B) **moved**, seconded by M. Hill (TX K), **to amend Sec. 2(g) to remove the words "their regular engineering class" and Sec. 2(h) to remove the words "undergraduate engineering."** Delegates spoke in favor because students should be considered with others in their regular engineering classes, because Tau Beta Pi is an engineering honor society and sophomores have not taken engineering courses, and because students with numerous A.P. credits would otherwise be eligible in their freshman year before taking engineering classes; delegates spoke against because they thought that this should be a chapter issue. J.I. Nunez (AL G) **moved**, seconded by A.D. Scherwinski (MI B), **to amend Sec. 2(h) to change "or" to "and."** Mr. Nunez said that this is important because sophomores on an eligibility list exclude regular engineering students. President Ohland spoke against the amendment because chapters have difficulty in obtaining data about eligible students.

After additional discussion, Chairman Hickling ruled a 15 minute recess, but his ruling was appealed. The **appeal failed**, and the Third Business Meeting was recessed at 9:48 a.m. and reconvened at 10:15 a.m.

After further discussion involving the effects of this language upon co-op students and students studying abroad, **debate was closed without objection, and the amendment to replace "or" with "and" failed** on a voice vote. A motion to limit debate to 20 minutes on the amendment and the main motion was seconded, but **failed** on a show of hands. A motion to limit debate to 10 minutes on the amendment and the main motion was seconded and was passed. After minimal discussion, debate was closed without objection. A voice vote on the amendment was inconclusive, and the **amendment to restore the phrases "the regular engineering class" and "undergraduate engineering" failed** on a standing vote with 81 in favor and 130 opposed. Debate returned to the main motion. R.K. Ahrens (NM A) **moved**, seconded by an unidentified delegate, **to amend Sec. 2(g) and (i) to replace "students" with "juniors" and "seniors."** P.D. Schmid (PA A Adv) spoke for the amendment because it clarifies the definitions of engineering juniors and seniors. Debate was closed on a show of hands, and the **amendment passed** on a voice vote. A motion to limit debate on the main motion failed on a show of hands. A.B. Beers-Green (WA D) **moved to amend Sec. 2(j) to add the sentence "In institutions with a cooperative program, students may be regarded as seniors after having completed seventy-five percent of the undergraduate academic degree requirements specified by the institution."** Because this sentence was similar to one previously added to Sec. 2(h), the Chair ruled without objection that the **amendment passed**. A.J. Sabet-Peyman (CA G) requested that the delegates focus on the core issue, or else chapters will walk out of the Association. M.M. Caldwell (AL E), **moved to amend Sec. 2(a) to add "and eligible to sit for the F.E. examination"** at the end of (i.), but there was no second. Ms. Caldwell **moved to divide the question into two parts, the first being**

**Sec. 2(a), (b), and (c), Sec. 3(a), (b), and (c), and the Resolution and Recommendation.** There was no objection, and the **Chair ruled to divide the question.** D.S. Pierre Jr. (Dir of Fell) inquired if a Convention Resolution could remove the Executive Council's power, and Councillor A.L. Hu said that the Council would follow the Convention's instructions. A motion to limit debate on the motion to 10 minutes was inconclusive on a show of hands; **debate was limited to 10 minutes** on a standing vote, with 138 in favor and 79 opposed. Debate was ended on a show of hands, and the **motion to amend Const. VIII, Sec. 2(a), (b), and (c) and Sec. 3(a), (b), and (c), as stated below, and the Resolution and Recommendation, as stated above, passed** on a show of hands, but final approval is **subject to chapter ratification.**

A **motion was made and seconded to commit** the remaining items in the main motion to the 2005 Convention. Delegates noted that Sec. 2(d) and (e) conflicted and spoke against commitment in order to deal with these issues. Debate was closed, and the **motion to commit failed** on a show of hands. The Chair ruled that the deleted subsections in Sec. 2(d) and (e) should have been included in the original division of the motion; there was no objection, and the **motion to delete Sec. 2(d) and (e) passed**, but final approval is **subject to chapter ratification.** The question was called, and debate on the remaining motion ended without objection. The **motion to amend Sec. 2(f), (g), (h), ... (p) and Sec. 3(d) and (e) passed** on a show of hands, but final approval is **subject to chapter ratification.**

### Constitution Article VIII Membership

#### SECTION 2. Eligibility of Undergraduates Students

- (a) To be eligible for election, the candidate shall be a student pursuing a regular, undergraduate engineering day curriculum of the institution. A regular, undergraduate engineering day curriculum must meet the curriculum criteria set forth by the Engineering Accreditation Commission, or its successor(s), of the Accreditation Board for Engineering & Technology (ABET). Individual programs need not be ABET-accredited to be considered. Students pursuing equivalent curricula in evening (night) school, when such curricula are administered by the dean, or equivalent, and faculty of the college or school of engineering of the institution, may be eligible to election after a five-sevenths favorable vote of the Advisory Board and approval by the Executive Council. Candidates for membership shall meet the scholarship provisions of this Constitution and shall have exemplary character as enunciated in the Eligibility Code of the Association. To be eligible for election, the candidate shall be a student pursuing an undergraduate engineering curriculum of the institution. An engineering curriculum is defined as one that meets any of the following criteria: (i) is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET) or its engineering-accreditation successor(s); (ii) is administered by a unit (a department, school, or college) of engineering and has the same name as any program accredited as described in criterion (i); or (iii) is administered by a unit of engineering and includes the noun 'engineering' in its name. Candidates for membership shall meet the scholarship provisions of this Constitution and shall have exemplary character as enunciated in the Eligibility Code of the Association.
- (b) Students of other curricula may be eligible for election as undergraduate members if and when their curricula are administered by the dean, or equivalent, and faculty of the college or school or unit of engineering of the institution. Students may be considered eligible for election, and may be considered by departments, after such curricula have received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1), the five-sevenths favorable vote of the Advisory Board, and the written approval of the Executive Council. Such curricula that meet these criteria shall be considered engineering curricula. A Chapter may appeal to Convention the eligibility of students of other undergraduate curricula that: (i) are administered by a unit of engineering of the institution; (ii) have received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1); and (iii) have received the five-sevenths favorable vote of the Advisory Board of the Chapter. Such curricula that have received the approval of Convention shall be considered engineering curricula as well.
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- (d) In institutions where an engineering curriculum has been administered by the engineering faculty for several years and later is transferred to the faculty of another college or division of the same institution, the established practice of electing to membership students pursuing this engineering curriculum, even though no longer administered by the dean, or equivalent, or faculty of engineering, may be continued after it has received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1), the five-sevenths favorable vote of the Advisory Board, and the written approval of the Executive Council.
- (e) In institutions where it has been the established practice to elect to membership students pursuing a curriculum not actually administered by the dean, or equivalent, and faculty of the college, or school, or unit of engineering, but which is nevertheless recognized as an engineering curriculum, the established practice may be continued indefinitely after it has received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec 1), the five-sevenths favorable vote of the Advisory Board, and the written approval of the Executive Council.
- (f) A Chapter must list in the Bylaws of the Chapter all curricula that it deems worthy to qualify a candidate for eligibility. See Bylaw V, Sec. 5.03.
- (g) In any institution, those Juniors who are scholastically in the upper eighth of their regular engineering class all students juniors of curricula listed in the Chapter's Bylaws per Subsection (f) shall be eligible for election.

- (h) To be considered juniors, students shall be in the next-to-the-last year of their ~~undergraduate engineering curriculum~~ or shall have completed the institution's requirements for junior standing. ~~in the curriculum.~~ In institutions with a cooperative program, students may be regarded as juniors when fifty percent of the institution's specified undergraduate academic degree requirements have been completed. ~~Students in approved evening curricula shall be eligible for election as juniors when their total credits for scholastic work completed shall be not less than those of the eligible day juniors.~~
- (i) Those students whose scholastic records fall within the upper fifth (upper quarter for graduations in June 1941 and earlier) of the class shall be eligible for election at the beginning of the first and second quarters, terms, or semesters of the senior year (or first and third quarters of their senior year, at the option of the Chapter). Seniors who are scholastically in the upper fifth of all students-seniors of curricula listed in the Chapter's Bylaws per Subsection (f) shall be eligible for election.
- (j) To be considered seniors, students shall be in the last year of ~~their the undergraduate engineering curriculum~~ or shall have completed the institution's requirements for senior standing. ~~in the curriculum.~~ In institutions with a cooperative program, students may be regarded as seniors after having completed seventy-five percent of the undergraduate academic degree requirements specified by the institution. ~~Students in approved evening curricula shall be eligible for election as seniors when their total credits for scholastic work completed shall be not less than those of the eligible day seniors.~~
- (k) The upper eighth and fifth of a class shall be determined by the relative point ratings (except as noted below) based upon the net number of regular engineering students enrolled in the junior and senior classes respectively at the time of election. See Bylaw VI, Sec. 6.02. If a Chapter is unable to obtain the relative point ratings or fulfill the requirements of Bylaw VI, Section 6.02 and/or Section 6.04, the Chapter shall submit in writing the method used for determining the upper eighth and fifth to the Executive Council for approval or disapproval.
- (l) Special students and those students who are not candidates for an engineering degree shall not be counted, and transfer students who are not eligible for election need not be counted, in determining the enrollment or the numbers who are eligible for election.
- (m) Undergraduate students transferring from another institution shall not be eligible for election until the third regular election after their registration. Students subject to this subsection shall be eligible at the second regular election after their registration, provided the consent of five-sevenths of the Advisory Board is obtained and they meet the other requirements for election. See Bylaw VI, Sec. 6.02 (d).
- (n) The cases of students whose eligibility is in doubt because of irregular standing or curriculum shall be referred to the Advisory Board of the Chapter and to the Executive Council for the determination of the terms and times of eligibility.
- (o) The existence of conditions or failures in a student's undergraduate record shall not prevent consideration and election, provided the point-rating is within the upper eighth or fifth of the class.
- (p) ~~An undergraduate engineering student shall not be initiated into membership if less than one week of strictly academic work is required before the student's scheduled time for graduation.~~

### SECTION 3. Eligibility of Graduate Students

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- (b) A Chapter may appeal to Convention the eligibility of students of other graduate curricula that: (i) are administered by a unit of engineering of the institution; (ii) have received the three-fourths favorable vote of the active Chapter membership eligible to vote thereon (see Const. Art. VI, Sec. 1); and (iii) have received the five-sevenths favorable vote of the Advisory Board of the Chapter.
- (c) A Chapter may decide for itself by a three-fourths majority vote, subject to the five-sevenths approval of its Advisory Board, to exclude from eligibility all students of a particular graduate curriculum that, in the opinion of the Chapter, is not an engineering curriculum. Curricula satisfying criterion (i) of Section 2(a) may not be excluded.
- (d) A Chapter must list in its Bylaws all graduate engineering curricula that it deems worthy to qualify a candidate for eligibility. See Bylaw V, Sec. 5.03.
- (e) Complete proof of the worthiness of a candidate for election shall be presented in writing to the Secretary-Treasurer of the Association. Such proof shall include: (i) evidence of the candidate's scholastic eligibility, consisting of certification of the standing in the top fifth of the graduate class or, if class rank cannot be determined, a statement by a faculty member that the candidate is doing graduate work of the quality expected of a member of the Association; (ii) a list of the degree(s) held by the candidate, the institution(s) which granted the degree(s), and the year in which each degree was granted; and (iii) a statement from the Advisory Board of the Chapter that it believes the candidate to be worthy of membership in the Association and approves election of the student. See Bylaws VI, Sec. 6.04 (a) and (b); and VIII, Sec. 8.04. ~~(b) A Chapter must list in the Bylaws of the Chapter all graduate-degree programs that it deems worthy to qualify a candidate for eligibility. See Bylaw V, Sec. 5.03.~~

(Additions underlined; deletions struck.)

**Continuing the Report of the Committee on Chapter Advisors**, R.A. Auerbach (AZ G), Chair, said that his group's task was to review and offer feedback on advisor materials provided by the Task Force on Advisors. His group received training through a slide presentation, open discussion forum, panel with three former National Outstanding Advisors, the Advisor ICE session, and materials targeted toward new advisors. His group recommends that the advisors should be re-integrated with the students during ICE, but in different groups than their delegates. The Task Force is moving in the proper direction with materials. His committee suggests that the Task Force: (1) put the advisor materials on the website; (2) place national contact information on the web pages (links); (3) integrate the ideas from

the 2004 advisor ICE and brainstorming session into the presentation (place on web); (4) establish a feedback system to obtain input from new advisors after their first year (web); (5) ask District Directors to use the materials, provide feedback and make adjustments; (6) start an advisor thread on the TBP Discussion Board with Task Force monitoring, and generate FAQ; (7) leverage AlumNet to find interested potential advisors; (8) consider adding anything to motivate advisors to use materials on the web (voice-over ?); (9) consider materials to help chapters select strong advisors; and (10) include advisors on email from District Directors. The committee provides the following mandate to the Task Force: (1) start distributing the materials ASAP, and report on initial results; (2) expand the task force through additional volunteers; (3) continue to concentrate on "basic" introduction to advising (1/800/TAU-BETA); and (4) increase publicity through letters to deans, advisors, etc. Finally, the committee requests that the Executive Council renew the *ad hoc* committee of Advisors for the 2005 Convention, providing a good exchange of ideas, a clear mandate, and a chance to benefit Tau Beta Pi.

**The Report of the Committee on Awards** was called. T.A. LaFollette (KS A), Chair, presented a list of the 19 chapters being considered for the 2004 R.C. Matthews Outstanding Chapter Award; criteria include: (1) quality and variety of chapter projects; (2) organization of the chapter; (3) number of projects; and (4) promptness and completeness of reports to Headquarters. She presented the list of the four chapters being considered for the 2004 R.H. Nagel Most Improved Chapter Award and listed the criteria: (1) number of projects; (2) variety, diversity, and quality of chapter projects; (3) high member participation in chapter projects; and (4) well-documented records or projects and participation. Her group recommends these changes in criteria for the R.H. Nagel Most Improved Chapter Award: (1) that the current financial statements provided by Headquarters not be used as criteria; (2) that the Advisor's Evaluation be used as part of the criteria; and (3) that Headquarters provide future award committees with better financial information. She congratulated all of the chapters that were being considered and said that the winners of both awards would be announced at the Awards Banquet.

**The Report of the Committee on Member Benefits (*ad hoc*)** was called. M.R. Johnson (MD D), Chair, said that her group was charged with the task of reviewing current member benefits, suggesting changes, and making recommendations for new benefits. After brainstorming and prioritizing, the committee found that the four categories deemed important were: merchandise, discounts, events and services, and Grad/Alum/Jobs. Her group encourages delegates to encourage chapter members to use the current benefits: AlumNet, Answer Financial, MonsterTrak, The Best People Job Connection, and free access to the Women for Hire network. Proposed new benefits include: (1) more variety of merchandise, including items targeting the younger generation (key chains, hoodies, fitted tees, and decals); (2) discounts on text books and test preparation courses at a discounted rate to help in the graduate school application process; (3) a District events calendar with each chapter's events; and (4) regional career fairs implemented by host chapters with invitations to nearby chapters.

**Continuing the Report of the Committee on Resolutions**, F.R. Opal (NE A), Chair, thanked the Convention for endorsing its proposal for a five-year Secretary's Commendation Award Program that should prove successful to motivate chapters and their members. His group suggests that the Convention refer the issue of funding this program to the 2005 Committee on Chapter and Association Financial Affairs and that a similar discussion be investigated for the Chapter Project Award. The committee expressed its disappointment in Director of Fellowships D.S. Pierre Jr. for his failure to honor his promise to the committee.

Chairman Hickling asked for any items of **new business**.

S.J. Campbell (GA A) recommended that the 2005 Committee on Constitution and Bylaws address the issue of the definition of a class of students in Const. Art. VIII, Sec. 2 (k). Specifically, the committee should clarify whether the word "class" in the article must include all combined eligible curricula or if chapters may use eligible curricula of separate engineering curricula.

B.M. Crawford (IA A) recommended that in the Tau Beta Pi traditions of comradery, liberal culture, and betterment of friendly competition, that a District Button Challenge be held at the 2005 Convention. Participating Districts may design and bring District buttons to the Convention toward the end of which the Convention as a whole will vote on the best one. The winning District, as its reward may exercise exclusive bragging rights for the following year, including but not limited to excessive gloating, an air of button superiority, and general cheekyness.

J.E. Ntuk (CA Th) reminded the delegates to begin the curricula appeals process now.

B.A. Kramer (D9D) and a team of additional District Directors and delegates recognized retiring District 9 Director Eddie R. Fowler through a hilarious skit involving time spent at the Orlando Airport, waiting for hotel rooms, and numerous other humorous situations.

**The Third Business Meeting was adjourned** at 12:01 p.m.

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A box lunch was provided outside the Ivanhoe Ballroom of the hotel at 12:01 p.m.

**The Model Initiation** was conducted at 2:15 p.m. in the auditorium of the Computer Science Building on the UCF campus. The Committee on Rituals and members of the host chapter had organized this ceremony. Director of Rituals D'Avignon explained to the delegates the importance of proper preparation for and conduction of the initiation ceremony, the purpose of the model ceremony, proper

dress, and prompt reporting to Headquarters. The initiation team consisted of Dr. Jamal F. Nayfeh, Florida Delta '83 and UCF associate dean of academic affairs, Executive Director Froula, Councillor Hu, John Atchason (FL D), District 5 Director Jeremy N. Comardelle, Director D'Avignon, and Rituals Committee members C.H. Cummiskey (RI B), A.J. Halley (OH M), H. Hartoko (WA G), M. Hill (TX K), M.B. Marshall (MO A), K. Mattson (NJ D), E. Rahbar (MI A), and M. Sepri (PA K). The model initiation brought into membership in the Association 7 student members of Florida Alpha and 13 students and one eminent member of Florida Delta.

**Campus tours** were conducted at 3:20 p.m.

Secretary Froula met with **successful petitioners** at 3:40 p.m. in the hotel.

The **Initiation and Awards Banquet** was held in the Ivanhoe Ballroom of the hotel at 5:30 p.m. Solange C. Dao (EFF and FL D Adv) was mistress of ceremonies. Cleveland L. Campbell, (IA A '47), thanked the Tau Beta Pi members for their generosity in matching a lead gift to the Society intended for Tau Beta Pi Scholarships. Patrick Chavez, Sandia Labs representative, reviewed the history of his laboratory and the effects of the events of September 11, 2001, on national security. Councillor Hu welcomed the new members of Tau Beta Pi and introduced the 2004 edition of the **Tau Beta Pi Historical Presentation**. She challenged the delegates to be the best they can be, encouraged chapters to take pride in all of their activities, and introduced R.W. Werneth (D4D) who was attending his 30th Convention. The Final Business Meeting was held as recorded below, after which the Convention received heartfelt messages. A total of 470 people enjoyed the filet and chicken dinner entree, sponsored for the delegates by Sandia National Laboratories.

Dr. Jonathan F.K. Earle, associate dean of student affairs, University of Florida, stated that Tau Beta Pi members exemplify leadership and excellence, that engineers are the drivers of our national economy, and that we are competing in a global community, and he bid farewell to the delegates. Dr. Frank C. Townsend, (FL A Advisor) thanked the delegates for traveling to Orlando and the co-hosts, Florida Alpha and Florida Delta. He said that awards should not be our motivation for service and that Tau Beta Pi's legacy is to light up small spaces in the world wherever possible. Alison A. Trachet, Florida Alpha President, congratulated the initiates, thanked the Headquarters staff, her chapter officers, her college of engineering, deans, and officers, Christopher J. Ekberg, and Matthew L. Pollock, Florida Alpha Chair. Dr. Ohland thanked the Headquarters staff for its efforts on behalf of the 2004 Convention and all of those present for what they do for Tau Beta Pi.

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**FINAL BUSINESS MEETING**  
**Saturday, October 9, Initiation and Awards Banquet**  
**Ivanhoe Ballroom, Radisson Plaza Hotel**

Chairman Hickling took charge of the **Final Business Meeting** on the banquet program at 6:58 p.m.

Councillor Pierce announced that the Executive Council had made one **GIG Chapter Project Grant** for 2004-05 to Iowa Alpha (\$545) for its Roller Coaster Engineering Competition and presented a plaque to the winning chapter.

Councillor Tyner introduced the 2004 Tau Beta Pi **National Outstanding Advisor**: Dr. Richard J. Smith, IA A '69, Iowa Alpha Advisor. Dr. Smith stated that the members of Iowa Alpha allowed him to thrive as an advisor, encouraged chapters to elect four advisors, and encouraged chapters to keep nominating advisors for the award until they win. Checks were presented to Dr. Smith and for the dean's discretionary fund at Iowa State University.

Councillor Styles introduced the 2004 Tau Beta Pi **Laureate**. She introduced Matthew C. Rodrigue, ME A '04, recognized his contributions to athletics and his service and generosity to various organizations, and presented him with a Laureate plaque and a \$2,500 award. He encouraged the delegates to pursue excellence with others who value excellence in all they do.

Dr. Ohland presented the 2004 Tau Beta Pi **Distinguished Alumna**: Jill S. Tietjen, P.E., VA A '76, engineering consultant, read her citation of accomplishments, and presented her with a plaque. (A \$2,000 scholarship in her name will be presented in 2005.) Ms. Tietjen encouraged the delegates to keep growing and learning, to keep an eye open for opportunities, to take the F.E. examination in college, and to take the P.E. examination as soon as possible thereafter.

**Continuing the Report of the Committee on Awards**, T.A. LaFollette (KS A), Chair, reviewed the criteria for and the history of the **R.H. Nagel Most Improved Chapter Award** and presented the **Most Improved Chapter Award to California Sigma**. (A plaque will be prepared and delivered to the winner later.)

Ms. LaFollette introduced A.J. Leland (CA Z), Vice Chair, who reviewed the criteria for and history of the **R.C. Matthews Outstanding Chapter Award**. He presented the **honorable mentions** to California Alpha, Iowa Alpha, and Vermont Beta and the **Outstanding Chapter Award** to Wyoming Alpha. He complimented the winner's success at demonstrating the goals of Tau Beta Pi through such projects as its study sessions and blood drives and through its impeccable level of organization (Plaques will be prepared and delivered to the winners later.)

**Continuing the Report of the Committee on Resolutions**, F.R. Opal (NE A), Chair, read the following:

### **Resolutions of the Convention**

On behalf of the Resolutions Committee for the 2004 National Tau Beta Pi Convention, I start by thanking the host chapters Florida Alpha and Florida Delta under the leadership of Presidents Alison A. Trachet and John Atchason, as well as Christopher J. Ekberg, Arrangements Chair. (Plaques were presented to the chapters, and a desk-piece was presented to Mr. Ekberg.)

We appreciate also the work put forth by the Executive Council comprised of President Matthew W. Ohland, Vice President Ellen D. Styles, and Councillors Alison L. Hu, Russell W. Pierce, and Dr. Dennis J. Tyner and by Secretary-Treasurer James D. Froula and Assistant Secretary-Treasurer Roger E. Hawks. We thank the Directors of the Association: Director of Fellowships D.S. Pierre, Jr., P.E., Fellowship Board members Lawrence J. Hollander, P.E., Dr. Susan L. Holl, and Dr. Velio A. Marsocci, P.E.; Director of Rituals Edward J. D'Avignon; and Director of Engineering Futures Annette M. Brenner and the 52 volunteer instructors in the program who helped to present 168 sessions last year.

We recognize the members of Tau Beta Pi's Trust Advisory Committee, who manage the Association's investments: Chair Roger F. Smith, Michael A. Di Flora, and James W. Johnson Jr.

We wholeheartedly thank our amazing District Directors whose volunteer efforts help all of us build stronger chapters. The 41 of you have spent countless hours traveling across great distances to reach each of our chapters, initiations, and activities.

We recognize the Association's 2004 Laureate, Matthew C. Rodrigue, for his diverse achievements.

We congratulate the 2004 Tau Beta Pi National Outstanding Advisor: Dr. Richard J. Smith, Advisor to the Iowa Alpha Chapter.

We also congratulate the 2004 Tau Beta Pi Distinguished Alumna: Jill S. Tietjen, P.E., Virginia Alpha '76.

We extend the Convention's gratitude to the 14,400 Tau Beta Pi alumni who contributed generously to the Fellowship Program and to the overall support of the Association this past year. Also, we thank the generosity of 182 companies who support our Fellowship Program through matching-grant gifts to our Alumni Giving Program.

We appreciate the companies that made direct gifts to help support this Convention.

Congratulations are in order for University of California, Riverside, which has been granted a new chapter.

We also congratulate Idaho Beta at Idaho State University and Michigan Lambda at Grand Valley State University.

Congratulations also to Michigan Iota for a successful 2007 Convention bid (even though they did not have chocolates).

Special congratulations for the 40 Tau Beta Pi Scholars who were listed in the Summer issue of THE BENT.

We thank Convention Chair Ronald M. Hickling and Parliamentarian James W. Johnson Jr. for leading us through business meetings.

I personally thank my committee members for their hard work, patience, and dedication to our goals. We thank all of the other committee members for their work and progress this year.

We are thankful for all the collegiate and alumnus chapter leaders who directed their local groups effectively in 2003-04 and truly maintained and improved the visibility and public image of the Association and its members. Let us continue to contribute, in some way, to promoting the ideals and vision of Tau Beta Pi.

In the spirit of the occasion, the entire banquet group joined Executive Director Froula in the **Tau Beta Pi yell**. On the motion of numerous delegates, seconded by J. Atchason (FL D), Chairman Hickling praised the delegates for their skills and collaboration and cooperation, and he declared the **Convention adjourned sine die** at 8:03 p.m.

Submitted by,

James D. Froula, P.E.  
Convention Secretary

JDF/sk