

ANNUAL SED BUSINESS MEETING MINUTES

Tuesday, June 28, 2016, 5:30 – 6:30 PM

New Orleans Convention Center, Room 242, Session T648

1. ATTENDANCE: The following SED members were present at the 2016 SED Annual Business Meeting:

- Sven Bilen
- Satinderpaul Devgan
- Wolter J. Fabrycky
- Lifford McLauchlan
- Oscar H. Salcedo
- Mario Simoni
- Lina Trigg
- Jon Wade
- Charles Wasson

Also, present in attendance was Marjan Eggermont, the PIC II Chair.

2. APPROVAL OF THE 2015 BUSINESS MEETING MINUTES: Oscar Salcedo presented the minutes of the 2015 annual meeting, held in Indianapolis, IN. The minutes were approved.

3. ASEE BOARD – PIC II CHAIR REPORT: PIC II Chair Marjan Eggermont reported on the 2016 ASEE Annual Conference statistics:

- Business, Social, and Panel Sessions: 307
- Technical Sessions: 328
- Published Papers: 1683
- Papers Published from Abstracts Submitted: 58.60%

4. 2016 SED DIVISION ANNUAL CONFERENCE PROGRAM REPORT: Oscar Salcedo reported on the 2016 SED division statistics:

- Abstracts Received: 31
- Rejected Papers: 1
- Withdrawn Papers: 8
- No Follow-up Papers: 6
- Accepted Papers and Finalized: 15
- Best Paper Award: 1 (Dr. Armand Chaput, University of Texas at Austin)

5. BKCASE UPDATE: Jon Wade provided a 10-minute update of the Body of Knowledge and Curriculum to Advance Systems Engineering (BKCASE) Project.

6. OFFICERS AND ELECTIONS: Floor was open for nominations for the 2016-2017 SED leadership.

- No nominations were received for the Secretary/Treasurer position.
- Radu F. Babiceanu accepted progressing to Program Chair for 2016-2017.
- Oscar H. Salcedo accepted progressing to Division Chair for 2016-2017.
- Satinderpaul Devgan expressed interest in serving as director for 2016-2017.

7. MEMBERSHIP REPORT: Radu Babiceanu sent in advance the membership information report. As of June 20, 2016, the SED Division membership was 271, an increase from 264 (as of June 2015).

8. SECRETARY/TREASURER'S REPORT: Radu Babiceanu sent in advance the Treasurer's report summarizing the year's revenues and expenses. As of 05/31/2016 the SED Division financials are as follows:

- BASS account balance: \$3,345.83.
- Operating account balance: \$263.00.

Requests have been made on June 24, 2016 to ASEE (Alisa Graham) for the following disbursements to be made from the SED Operating account:

- Payment to ASEE; T648 SED Business meeting food service: \$89.00.
- Payment to Armand Chaput; Joint dinner session reimbursement for SED Best Paper Award winner: \$68.00
- Payment to Radu Babiceanu; Gift card for the SED Best Paper Award winner: \$50.00

9. 2016-2017 EXECUTIVE COMMITTEE: In accordance with the SED Bylaws approved in June 2015, the 2015-2016 SED Program Chair was advanced as the 2016-2017 SED Division Chair, while the 2015-2016 Secretary/Treasurer was advanced as the 2016-2017 SED Program Chair. The 2016-2017 SED Executive Committee includes the following officers:

- **SED Division Chair**

Oscar H. Salcedo

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Bio: Oscar is Director of Strategic Opportunities for the Research Institute for Manufacturing and Engineering Systems (RIMES). Oscar is an entrepreneur having launched several businesses and currently managing a business consultancy company and a second one in assistive software development. His certifications are in the area of Business Quality. Oscar is a mechanical engineer, holds a Master of Arts in political Science and is currently a PhD student in the Teaching Learning and Culture (TLC) doctoral program at the University of Texas at El Paso. His areas of research interests includes the use of history in the teaching of mathematics and

engineering, the use of multiple representations in teaching mathematics, as well as affective processes in learning mathematics. In his current position Oscar is responsible for business development, organization and coordination of applied research teams, contract and budget negotiations, and definition of Statements of Work, milestones, and deliverables of work products. He is married to Sofia Carvajal and they have three adult children; Andrea, a Registered Flight Nurse pursuing a master in Public Health Nursing, Oscar Salcedo Jr., Bachelors in Computer Science and MBA, and Michael Salcedo currently completing Bachelor's in Business Administration at the University of Texas at El Paso.

- **SED Program Chair**

- **Radu Babiceanu, Ph.D.**

- Associate Professor, Department of Electrical, Computer, Software, and Systems Engineering
Embry-Riddle Aeronautical University

- Daytona Beach, FL 32114

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- **Bio:** Dr. Radu Babiceanu is an Associate Professor of Systems Engineering with the Department of Electrical, Computer, Software, and Systems Engineering at Embry-Riddle Aeronautical University (ERAU) in Daytona Beach, Florida. He received his Ph.D. degree in Industrial and Systems Engineering from Virginia Tech in 2005. Dr. Babiceanu currently serves as the Program Coordinator for the ERAU Master of Science in Systems Engineering and teaches systems engineering and software engineering courses such as Fundamentals of Systems Engineering, Requirements Engineering, and Systems Architecture. His research provides a systems engineering approach to modeling, operation, and evaluation of large-scale complex systems, such as aviation, manufacturing, supply chain, and transportation systems. Dr. Babiceanu published more than 50 papers in reputed journals and conference proceedings. He is a member of ASEE - Systems Engineering Division, INCOSE, IEEE, IISE, and INFORMS.

- **SED Secretary/Treasurer**

- Position not yet filled.

- **SED Directors**

- **Rafic "Ray" Bachnak, PhD, PE (Serving for a 3-year term ending in 2017)**

- Director, Science Engineering & Technology

- Pennsylvania State University

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- **Bio:** Ray is Professor of Electrical Engineering, Science, Engineering and Technology at the Pennsylvania State University. Prior to coming to Penn State, Dr. Bachnak was professor of electrical and computer engineering and the chair of the Department of Engineering, Mathematics, and Physics at Texas A&M International University (TAMIU) in Laredo,

Texas. Prior to joining TAMIU in 2007, he had held academic positions at Texas A&M - Corpus Christi, Northwestern State University (Natchitoches, La.), and Franklin University (Columbus, Ohio).

Alice F. Squires, PhD, PMP, CSEP-Acq (Serving for a 3-year term ending in 2018)

Associate Professor
Engineering and Technology Management
Washington State University
alice.squires@wsu.edu

Bio: Alice Squires joined the Engineering and Technology Management (ETM) department of the Voiland College of Engineering and Architecture (VCEA) at Washington State University (WSU) as an Associate Professor in the Fall of 2014. Prior to joining WSU, Alice has served in a variety of positions including Manager of Systems Engineering at Aurora Flight Sciences, Senior Researcher and Online Technical Director at Stevens Institute of Technology, Senior Systems Engineer consultant to Lockheed Martin, IBM, and EDO Ceramics, Senior Engineering Manager at General Dynamics, Senior Engineering Manager at Lockheed Martin, and Advisory Engineer/Scientist at IBM. Alice is a contributing author and editor to the Systems Engineering Body of Knowledge (www.sebokwiki.org) and the Graduate Reference Curriculum for Systems Engineering (www.bkcase.org/grcse).

Satinderpaul Devgan, Ph.D. (Serving for a 3-year term ending in 2019)

Professor and Head of Electrical and Computer Engineering
Tennessee State University
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Bio: Dr. Devgan received his M.S. and Ph.D. degrees in Power Systems from Illinois Institute of Technology before joining Tennessee State University in 1970. He has developed and implemented M.S. and Ph.D. in Computer and Information Systems Engineering (CISE) programs, and has published in IEEE and ASEE Conference Proceedings. He is a recipient of Outstanding Researcher of the Year award in 1994 from Tennessee State University and was inducted to its Million Dollar Research Club. He is past-chairman of Southeastern Association of Electrical Engineering Department Heads (SAEEDH) and is currently serving as Secretary of the BOD of Southeastern Center for Electrical Engineering Education (SCEEE). He also served as Editor of ECEDHA Newsletter from 2001 to 2006.

- **SED Past Chair**

Dr. Saleh Sbenaty

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Bio: Dr. Saleh M. Sbenaty, a professor of Engineering Technology, earned his Ph. D. and MS degrees in electrical engineering from Tennessee Technological University and his BS degree in electrical engineering from Damascus University, Syria. Dr. Sbenaty joined MTSU in 1993 and has been teaching graduate and undergraduate courses and actively engaged in curriculum development and assessments for technological education. He has authored and co-authored several industry-based case studies and participated in three major NSF-funded Advanced Technological Education grants. He is currently serving as a program evaluator for the Engineering Technology Accreditation Commission of ABET, Inc.

Dr. Sbenaty published and presented over thirty six refereed national and international articles and attended/conducted over 65 workshops in accreditation, curriculum development, assessments, using technology in the classroom, case-based learning, problem-based learning, Corporate Scholar Solution-based learning, just-in-time learning, and modular-based learning. He has been also conducting research in the area of mass spectrometry, power electronics, lasers, instrumentation, biosensors, electrical characteristics of concrete, digital forensics, and microcontroller applications. Dr. Sbenaty has several years of industrial and research experiences with Oak Ridge National Laboratory, Lockheed-Martin, TVA, and the Syrian Networks. He is the past Chair of the Robert G. Quinn Award for Excellence in Engineering Education and served as a Division Chair and Program Chair of the Instrumentation Division, American Society for Engineering Education, ASEE. Dr. Sbenaty is currently a member of the International Review Board, International Journal of Modern Engineering and served as a Guest Editor and on the Editorial Board, Journal of SMET Education: Innovations and Research.

Dr. Sbenaty's list of awards and honors include: The MTSU Foundation Outstanding Teacher Award in 2006; Outstanding Classroom Teacher, CBAS, in 2001; Faculty Achievement Award, CBAS in 1996; and Who's Who Among the Students in American Universities, Tennessee Technological University, in 1988. Top Graduating Student, College of Electrical and Mechanical Engineering, Damascus University, 1980. Dresden University Scholarship, Summer 1978, Dresden, Germany. He is a member of the Honor Society of Phi Kappa Phi, the National Honors Engineering Society of Tau Beta Pi, the Electrical Engineering Honor Society of Eta Kappa Nu and the International Honorary Society for Professionals in Technology, Epsilon Pi Tau.