

Annual Conference of the American Society for Engineering Education 2007

Liberal Education Division Program

0261: Service-Learning in Engineering Courses and Curricula	Workshop
Sunday, June 24, 2007 8:30 a.m. – 12:15 Hawaii Convention Center 323C	Presenter: William Oakes
1361: Ethical Responsibilities of Engineers in the World of Corporate Business	Co-sponsored by the Engineering Ethics Division
Monday, June 25, 2007 10:30 a.m. – 12 noon Hawaii Convention Center 304A	Moderator: Arthur Sacks
On Integrating Business Ethics into Teaching Engineering Ethics	Heinz Luegenbiehl
Resisting Neoliberalism in Global Development Engineering	Donna Riley
Engineering and the Other America	George Catalano
1371: Multidisciplinary and Liberal Education	Co-sponsored by the Multidisciplinary Engineering Division
Monday, June 25, 2007 10:30 a.m. – 12 noon Hawaii Convention Center 305B	Moderator: Charles Pezeshki
A New Multidisciplinary Engineering Education Initiative	Fernando Tovia, Muthu Govindaraj, David Brookstein
Dramatizing Engineering Education: The Performance of Teamwork	April Kedrowicz, Bob Nelson
A Lab for All Seasons, A Lab for All Reasons: Collaborative Representation of Engineering within the University	David Ollis
Developing Engineering Curriculum in an Integrated Knowledge Environment	Josef Rojter
Paul Revere in the Science Lab: Integrating Humanities and Engineering Pedagogies to Develop Skills in Contextual Understanding and Self-Directed Learning	Robert Martello, Jonathan Stolk
Security Education in the 21 st Century: the Role of Engineering	Bradley Rogers, Dale Palmgren, Dennis Giever, Mary Lynn Garcia
1461: Writing and Communication I: Innovative Models for Curriculum and Assessment	
Monday, June 25, 2007 12:30 p.m. – 2:00 Hawaii Convention Center 322B	Moderator: Judith Norback
Developing Communication Competence: A Comparison of the Intensive Capstone Experience and Developmental Integration	April Kedrowicz
Technical Writing for Engineering Students: Combining Best Journalism Practices and Tenets of the National Writing Project for Successful Writing Instruction	Kelly Agee
Outcomes Assessment as a Site of Integration: ABET Meets the Council of Writing Program Administrators	Marie Paretto, Lisa McNair, Diana George, Kelly Belanger, Lisa Norris
1561: Redefining the Boundaries of Engineering and Liberal Education: Contributions to the Year of Dialogue	
Monday, June 25, 2007 2:15 p.m. – 4:00 Hawaii Convention Center 305B	Moderator: Gary Downey
A Definition of a Broadly Educated Engineer	Marie Dahleh
The Philosophical Nature of Engineering: A Characterisation of Engineering Using the Language and Activities of Philosophy	William Grimson
The Incredible Shrinking Job Description: Trends and Consequences of an Increasingly Technical Engineering Profession	Erin Cech, Kara Boettcher, Keidi Sherick
Creativity Colloquium	Sally Pardue
Learning to Think Critically In and About Engineering: A Liberative Perspective	Donna Riley, Lionel Claris
2140: Engineering Ethics and Global Issues	Co-sponsored by the Engineering Ethics Division
Tuesday, June 26, 2007 7:00 a.m. – 8:15 Hawaii Convention Center 319A	Moderator: George Catalano
Coverage of Legal and Ethical Aspects in Electrical and Computer Engineering Curriculum	Roobik Gharabagi
An Educational Framework for Nurturing a Culture of Academic Honesty	Dawn Bikowski, Melissa Broeckelman
The Role of Information Warfare in Information Assurance Education: A Legal and Ethical Perspective	Andrew Hoernecke, Thad Gillispie, Benjamin Anderson, Thomas Daniels
Improving Ethics Studies through a Spiral Themed Curriculum: Implementing Ethics Discussion at the Sophomore Level	Christan Whysong, Jenny Lo, Kumar Mallikarjunan
2261: Liberal Education Division Business Meeting	
Tuesday, June 26, 2007 8:30 a.m. – 10:15 Lehua Suite, 2nd floor of the Kalia Tower at the Hilton Hawaiian Village	Breakfast buffet

(please see other side for Wednesday sessions)

3261: Liberal Education Division Poster Session	
Wednesday, June 27, 2007 8:30 a.m. – 10:15 Hawaii Convention Center Exhibit Hall 1H	
Teaching Systems Engineering to Non-Engineering Students: A Learner-Centered Approach in Transforming the Curriculum	Ernest Wong, John Halstead
A BA Engineering and Liberal Studies Degree at a Polytechnic Institution	Daniel Walsh, Stacey Breitenbach
Integrating Technology: Our Culture, Our Students	Carole Goodson, Susan Miertschin, Lucus Faulkenberry, Barbara Stewart, Curtis Johnson
Contextual Problem-Solving as a Vehicle for Gaining Cross-Cultural Understanding	Richard Vaz, Natalie Mello
Literary Engineering? Engineers and their Creative Writings	Tom Moran
Interdisciplinary Collaboration: Professional Practice and Communication	Jennifer Large Seagrave
The Education of Engineers with Extracurricular University Activities	Odesma Dalrymple, Demetra Evangelou
The Clarkson Common Experience Curriculum: Graduation Requirements Based on Student Learning Outcomes	Robert Meyer, Dick Pratt
An Evaluation of an Engineering and Liberal Arts Dual Degree through Graduate and Intern Employer Surveys	Ernest Kim
Migration from a Leadership Honors Program to an Engineering Leadership Minor	Gregory Tonkay, E. Zimmers
Helping Engineering Students Write Effective Email	Joanne Lax
Expanding Classroom Borders: Alumni-student Partners in Interview Training	Julie Sharp
The Luddite Exam: Not Using Technology to Gauge Student Writing Development	John Brocato
3305A: Technology Journalism: Strategy to Enhance ABET Competencies and Public Understanding of Engineering	Distinguished Lecture Co-sponsored by the Technological Literacy Constituent Committee
Wednesday, June 27, 2007 10:30 a.m. – 12 noon Hawaii Convention Center 316B	Speaker: Deborah L. Illman
3461: Graduate Education in the Social and Ethical Aspects of Engineering	
Wednesday, June 27, 2007 12:30 p.m. – 2:00 Hawaii Convention Center 307A	
A Moving Target: Discovering Engineering Ethics in the Silicon Valley	Thomas M. Powers
International Perspectives in Nanotechnology in Society: Teaching Science and Engineering Students about the World of Science Outside the Laboratory	Ira Bennett
Teaching the Ethics and Social Implications of Emerging Technologies to Graduate Level Students	Joan McGregor, Jameson Wetmore
Graduate Engineering Education Research and the Integration of Societal Considerations	Erik Fisher
3561: Writing and Communication II: Practical Perspectives on Teaching and Assessment	
Wednesday, June 27, 2007 2:15 p.m. – 4:00 Hawaii Convention Center 323B	
Teaching Against the Grain: A Case Study of Teaching a Slide Design that Challenges PowerPoint's Defaults	Kathryn Neeley, Michael Alley, Leslie Crowley Srajek, Christine Nicometo
How Engineering Students Learn to Write: Third-Year Findings from the Engineering Writing Initiative	Lucas Niiler, David Beams
Georgia Tech Workforce Communication Program: Students' Values and Self-Perceptions Regarding Capstone Design Workforce Presentation Instruction	Judith Norback
Developing an Engineering Writing Handbook: A Case Study	Kathleen Jernquist, David Godfrey, Todd Taylor
Improving Engineering Students' Grammar and Rhetorical Awareness without Teaching Grammar	Joanna Wolfe
3661: Approaches to Learning Outcomes Assessment in Liberal Education	
Wednesday, June 27, 2007 4:30 p.m. – 6:00 Hawaii Convention Center 318A	
Creating a Learning-Centered Environment in a Liberal Education Department	Richard Kent
Finding a "Place" for Reading and Discussion Courses: Design and Assessment of Social and Ethical Impacts of Technology	Kyle Oliver, Traci Kelly, Sandra Coulter, Laura Grossenbacher
The Road to the Global Engineer: Using Liberal Arts Prerequisites Effectively in Engineering Design	Lorraine Fleming, Kami Carey
What Portfolio Construction Efforts Reveal about Students' Search for Engineering Identity	Steve Lappenbusch, Jennifer Turns
Same Intervention, Different Effect: A Comparison of the Impact of Portfolios on Students' Professional Development	Zhiwei Guan, Jennifer Turns
Assessing Non-Traditional ABET Outcomes in Large Programs	Fred Depiero, Lynne Slivovsky