

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

M1A	<b>REDISCOVERING THE FOUNDATIONS – Engineering and the Humanities (I)</b>		
	133	Humanistic Aspects in the Education of Engineers	Andrzej Jakubiak (Poland)
	144	The Newcomers: Humanities in Engineering Education	Maria Teresa Russo (Italy)
	652	Engineering students in needed communities: an Engineering Education tool	Samuel Marcio Toffoli (Brazil)
	294	Introducing humanities aspects through English language teaching in engineering curricula at the Technical University of Crete, Greece	Anne McKay (Greece)
	116	Do Engineering Students Need Sustainable Development Courses?	Fernando Torgal (Portugal)
	265	Interventions to Promote Degree Completion in Science, Technology, Engineering, and Mathematics	Sylvia Sorkin (USA)

M1B	<b>REDISCOVERING THE FOUNDATIONS – Technology and Society</b>		
	70	The drawing like a modification of life way	Marina Unica Diaz Morales (Brazil)
	215	Study for to Identify the Participation of Disciplines Related to the Education of Drawing in Engineering Courses in State of Santa Catarina /Brazil	Clovis Neumann (Brazil)
	82	Environment, Indigenous Technology vis-à-vis Status of Teachers in Engineering Education: An Empirical Survey over Indian Techno-pedagogic fabric	Rajarshi Roy (India)
	154	Necessary knowledge for social responsibility of scientists and engineers	Henk Zandvoort (Netherlands)
	434	Science Fiction in Engineering Instruction: The Final Frontier?	Albert Segall (USA)
	452	PET- A Brazilian Tutorial Education Experience	Joao Hiluy (Brazil)

M1C	<b>PARTNERSHIP – International Collaboration</b>		
	270	Strategies for Engineering Education Utilizing Global Project Management Protocol	Bahman Motlagh (USA)
	337	Development of the Masters of Science Degree in Environmental Management and Engineering at the Eurasian National University, Kazakhstan: A Global Partnership	Tim J. Ward (USA)
	384	International Educational Project Management: Coordinator's Experience	Tomáš Zeman (Czech Republic)
	390	Educational Project Countdown	Petra Samková (Czech Republic)
	425	From Ivory Tower to Fairy Castle – A design case study of industrial collaboration enhancing student learning	Randle Turner (UK)
	327	First Global Clinics in Biotechnology: An Exemplary Global Partnership Between Industry and Academia to Solve an Interdisciplinary Problem	Rosa Buxeda (USA)

M1D	<b>PARTNERSHIP – University/Industry/Government and International Collaboration</b>		
	640	University and Industry Partnership for an International Executive Education Program and CEU-based Certificate Program: A Case Study	Kathryne Newton (USA)
	620	Establishing A Country-wide Image Display Program for Engineering Education	Long-Sun Huang (Taiwan)
	631	Information and Communications Technologies (ICTs) a new way to encourage the University/Industry/Government Collaboration	Juan Villalvazo-Naranjo (Mexico)
	658	The investments of the Pécs World Heritage and the Reconstruction of PMMK as student project work	József Mecsi (Hungary)
	130	International Education Cooperation in the Area of Electrical Engineering and Computer Science	Pavel Santarius (Czech Republic)
	519	The University and Textile Industry	Mário Nunes (Portugal)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>PARTNERSHIP – Networking</b>			
M1E	109	Developing Interdisciplinary and Multinational Software Engineering Curriculum	Wojciech Grega (USA)
	195	Educational Project Partnership: Problems and Ways of Solution	Elena Kuzmicheva (Russia)
	446	A Novel Engineering Systems Approach for Bioengineering Education: the MIT–Portugal Collaboration	JunJay Tan (USA)
	458	Celsius Network	Marisa De Giusti (Argentina)
	613	How language learners can develop communication skills in English: an analysis of the structural and interactional aspects of teleconferences in the IDEELS Telematics Simulation Project.	Penny MacDonald (Spain)
	626	IT Education and Competitiveness in Developing Countries: The New Scenario in Argentina	Uriel Cukierman (Argentina)

<b>SPECIAL SESSION S13 – Technology Enhanced Engineering Education</b>			
M1F	173	Integrated sensors: expanding the frontiers of micro-systems design for multidisciplinary customers	Francisco Javier Ramirez-Fernandez (USA)
	189	To the cognitive processes aspect in the system "operator-computer complex"	Arkadiy Slobodyanuk (Ukraine)
	402	Questions and issues in realizing the Engineering Studies in SPRINT Model (Studies at Polytechnic Realized via INternet)	Elzbieta Grzejszczyk (Poland)
	534	The collaborative work and product development: a didactic experience in undergraduate courses.	Roberta Pereira Nunes Nunes, Roberta (Brazil)
	535	Development of Learning Objects for the Support of Product Design and Manufacturing Processes Knowledge Construction.	Marcos Martins Borges (Brazil)
	568	Second Harmonically Pumped MOSFET Mixer With Zero-IF	Osman Palamutçullar (Turkey)

<b>SPECIAL SESSION S14 – Online Experimentation in Engineering Education</b>			
M1G	481	Professional Learning from Remote Sites	Bernardo Wagner (Germany)
	331	Challenges in Remote Laboratory Sustainability	Christophe Salzmann (Switzerland)
	338	Development of Technology Enhanced Virtual Laboratories in engineering education based on mathematical models	Konstantinos Th. Mavrommatis (Germany)
	486	Defining and Performing Experiments in Virtual laboratories	Sebastián Dormido Bencomo (Spain)
	350	E-Learning and Resource Sharing Using a Chemical Process Simulator Applied in Engineering Education – a Feedback	Viet Hai Nguyen (France)
	401	Mobile System for Video Streaming of Lectures	Jiří Hájek (Czech Republic)

<b>REDISCOVERING THE FOUNDATIONS – The Basic Sciences</b>			
M2A	488	Teaching Fundamental Science in Undergraduate Engineering Education	Josef Rojter (Australia)
	509	Euler's Tables, the Origins of Structural Analysis, and Science's Lingua Franca in the Age of Reason	Anísio Andrade (Portugal)
	574	Why does one need to be taught engineering logic?	Alexander Klimenko (Australia)
	581	Does the first engineering course determine the area of interest?	Marie Dahleh (USA)
	128	A Few Nuggets of Thought for Mechanical Engineers	Jay Tu (USA)

<b>REDISCOVERING THE FOUNDATIONS – Electricity, Electronics and Control</b>			
M2B	39	Moving Average and Savitzki-Golay Smoothing Filters Using MathCAD	Guinon Jose Luis (Spain)
	140	Revisiting Matrix Theory and Electric Circuit Analysis	Rogelio Palomera-Garcia (USA)
	43	Implications of JP2K coding standard for MRI image based on a feature of Region of Interest in Telemedicine	Pervez Akhtar (Pakistan)
	38	Analyzing Electrical Engineering Program in GCC Region Universities	Qurban Memon (United Arab Emirates)
	406	New Competencies for Control Engineers to Meet the Market Demands in Control Systems	Mariana Hentea (USA)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>NEW APPROACHES AND TOOLS – e-Learning (I)</b>			
M2C	636	Learning Roadmaps for Higher Education	Miguel Oliveira (Portugal)
	83	Integration of E-learning Elements with Engineering Education	Renata Wagnerová (Czech Republic)
	203	Using an electronic voting system to enhance learning and teaching	Mark Russell (UK)
	584	A paradox of e-learning: Immediate, automatic feedback on assignments may increase study motivation and at the same time decrease pass rate.	Reidar Kvadsheim (Norway)
	651	Learning Objects: an approach in engineering education in a cognitive	Régio Pierre da Silva (Brazil)

<b>REDISCOVERING THE FOUNDATIONS – Mechanics</b>			
M2D	587	Time and Entropy in the Foundations of Mechanics	Roberto Assumpção (Brazil)
	396	A Web-based Course on Engineering Statics	Anna Dollár (USA)
	231	An innovative methodology for the characteristic mining on the conceptual mechanism design	Dar-Zen Chen (Taiwan)
	497	Methodology to Use Multimedia Applications and Mobile Devices when Teaching Theory of Structures	João Batista Bottentuit Junior (Portugal)
	557	Simulation of a Ship with Partially Filled Tanks Rolling in Regular Waves by Applying Moving Particle Semi-Implicit Method	Jen-Shiang Kouh (China)

<b>NEW APPROACHES AND TOOLS – e-Learning (II)</b>			
M2E	183	Enhanced Learning Through Blended Learning: Innovation Experiences at the Universitat de València	Paloma Moreno-Clari (Spain)
	91	Development of an intelligent answering machine based in LMS knowledge	Manuel Castro (Spain)
	246	A Study on the Need of Talents' Competency and Educating & Training at the Manufacturers in Taiwan	Ming-Ta Wu (Taiwan)
	320	Knowledge and Skills representation in Virtual Education Environment	Radoslav Fasuga (Czech Republic)
	182	.LRN Consortium: International Collaboration for Developing a Learning Management System. Experience from the Universitat de València	Paloma Moreno (Spain)

<b>WHAT DEGREES FOR WHAT JOBS? – The Bologna Process (I)</b>			
M2F	281	The Bologna Process and Australia: a review of the domestic opinion	Vojislav Ilic (Australia)
	365	Analyzing the obstacles for the academic and organizational change in universities	Mónica Edwards (Spain)
	311	Students' Guide as a Tool for Adapting to Ehea Challenges	Isabel Tort Ausina (Spain)
	618	Will the five-year engineering degree survive in Argentina?	Alberto Dams (Argentina)
	422	Potential role of well-rounded case studies in the engineering education	Peter Scharle (Hungary)
	118	The Bologna Process: What Should And Should Not Be Done	Fernando Torgal (Portugal)

<b>NEW APPROACHES AND TOOLS – Libraries and Information Management</b>			
M2G	637	The Role of Digital Libraries in Higher Education	Ana Pavani (Brazil)
	487	Celsius Bloodhound	Marisa De Giusti (Argentina)
	217	Knowledge Integration in Civil Engineering: a model for information structure	Maria Aparecida Cintra (Brazil)
	257	Use of Information Resources in Writing up Dissertation: A Citation Analysis	Szu-chia S. Lo (Taiwan)
	371	Programa Pequeños Científicos: Development of an Information Management System and Its Relation with the Assessment and Improvement of a Pre-College Engineering Program.	José Tiberio Hernandez (Colombia)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>NEW APPROACHES AND TOOLS – Lifelong Learning in Engineering</b>			
M2H	162	Next Generation of Online Tutorials: Finding Technical Information at Purdue	Amy Van Epps (USA)
	269	A system for periodic evaluation of continued education programs with the aid of the QFD methodology	Paulo Kaminski (Brazil)
	328	The Lifelong Education – A Social Trend or Competence Need	Hong Wu (Norway)
	407	Second Chance Learners, Supporting Adults Learn Computer Programming	Cornelia Connolly (Ireland)
	579	UNLP experiences to reduce the digital gap	Viviana Harari (Argentina)

<b>REDISCOVERING THE FOUNDATIONS – Environment and Health</b>			
T1A	101	Balancing Middle Earth through Interdisciplinary Engineering Education: Integrating Ecological Sustainability and Effective Research into a	Aisling O'Sullivan (New Zealand)
	290	Environmental Engineering Curriculum at the Technical University of Crete, Greece	Dionissios Mantzavinos (Greece)
	421	Environmental impact assessment teaching in environmental engineering	Luis Enrique Sánchez (Brazil)
	158	Engineering – A Healthcare Profession in the Twenty First Century	Eugene Coyle (Ireland)
	285	Incorporating Product Lifecycle Management Strategies into Healthcare Management	Daretta Henry (USA)

<b>REDISCOVERING THE FOUNDATIONS – New Competencies: Soft Skills, Attitudes, and Values (I)</b>			
T1B	98	Project led education in engineering courses: competencies to include	Natascha van Hattum-Janssen (Portugal)
	233	Pragmatic Aspects of English for Engineering	Milena Krhutova (Czech Republic)
	254	Just in Time - reBlending	Claudia Hallikainen (Finland)
	483	Integrating Engineering Design Heuristics into a First Year Engineering Course to Enhance Problem Solving and Team Building Skills	Kathleen Leonard (USA)
	552	A possible way out of the dilemmas of the science-core requirements in 5-year course Engineering schools	Waldemar Hachich (Brazil)

<b>REDISCOVERING THE FOUNDATIONS – Engineering and the Humanities (II)</b>			
T1C	164	Gender and Program Differences in Learning Styles of Students in Technology-Focused vs. Humanities Programs	Malgorzata Zywno (Canada)
	115	The KHouse Programme Revisited: Building New Competencies in the KHouse Community	Marisa Lucena (Brazil)
	386	The Industrial Democracy and Implementing Tools from Quality Circles to Resource Groups	Hong Wu (Norway)
	79	Double qualification Civil Engineer/Architect. The experience of the Universidade de São Paulo - Brazil	Francisco Ferreira Cardoso (Brazil)
	456	Scientific Perspective for Future Research Work in Communication Systems for People with Neuro-muscular Disability	Anca Cehan (Romania)

<b>REDISCOVERING THE FOUNDATIONS – Management and Engineering</b>			
T1D	88	Developing an Understanding of Engineering and Business Perspectives Through a Product Innovation Course	Patrick Patterson (USA)
	103	An Examination of Leader Report About the Improvement of Leader's Duties	Tetsuro Furukawa (Japan)
	493	Educators are from Mars, Entrepreneurs are from Venus: the Gap between Theory and Practice in Entrepreneurship Education	Jose Antonio Lerosa de Siqueira (Brazil)
	555	A Case for Alternative Approaches for Better Education in OH& S in Construction	Chandra Bhuta (Australia)
	561	A Real-Life Supply Chain Game to Enhance Problem Based Learning for Industrial Engineering Students	Jianguo Wang (Singapore)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>REDISCOVERING THE FOUNDATIONS – Miscellaneous</b>			
T1E	606	Research	Elisabeth McGrath (USA)
	107	Engineering student attendance at lectures: effect on examination	Patrick Purcell (Ireland)
	151	Constructing A Foreign Language Standard For Technically-Oriented Universities	Ludmila Neuwirthova (Czech Republic)
	314	Student's Integration in a Technical Degree Through a Tutorial Program	Isabel Tort Ausina (Spain)
	550	Harnessing internal resources: strengthening engineering education by partnering with an education school	Melora Sundt (USA)

<b>PARTNERSHIP – Student Mobility and Exchange</b>			
T1F	219	Teamwork as a tool for successful experience for exchange students	Anna Friesel (Denmark)
	139	The pedagogic Importance of International Exchanges of Students and Teachers	Drago Hercog (Slovenia)
	225	Improving Student Achievement Through Overseas Experience	David Edwards (Australia)
	234	Socrates Thematic Networks: Contributions to Mutual Knowledge and Recognition of Engineering Education in Europe	Claudio Borri (Italy)
	527	Accommodating the Diverse Technical Interests of Foreign Exchange Students through Participation in MEMS and Micro-Robotic Research Projects	Eniko Enikov (USA)

<b>PARTNERSHIP – Staff Mobility and Exchange</b>			
T1G	63	Academic Partnerships with Asian Universities	Paul Wheeler (USA)
	473	Faculty Exchange, one Aspect of International Cooperation in Engineering Education	Omar Zia (USA)
	517	An International Network for Collaboration in Engineering and Science Education	Roy Crosbie (USA)
	617	The First 20 Years of the Puerto Rico Transportation Technology Transfer Center in the Training of Engineers and Transportation Officials	Benjamin Colucci (USA)
	656	Staff mobilities - The experience lecturers and future of this activity	Milada Hlaváková (Czech Republic)

<b>PARTNERSHIP – Challenges of Globalization</b>			
T1H	170	Higher Education in the Globalization Era	Wojciech Zielinski (Poland)
	218	Fostering International Partnerships to Enhance Engineering Education and Research: Case Studies on Effective Relationships	Patricia Fox (USA)
	333	Global Experiences for Aviation Students	Ronald Sterkenburg (USA)
	467	Motivation and the Role of Personal Strategies in Studying the foreign languages at Technical Universities	Barbara Danilova (Ukraine)
	638	The Third Dimension of Engineering Professional Competency: the Global Imperative	E. Dan Hirleman (USA)

<b>PARTNERSHIP – Practical Placement in Industry and Internships</b>			
T2A	185	Practical Placements supported by European Programs	Peter Moson (Hungary)
	224	Improving Student Achievement Through an Industry Placement	David Edwards (Australia)
	181	An Experience of a Successful New Schedule for Engineering Education Training through a Co-operative Program	Mohammad Hassan Saidi (USA)
	226	Integrating Work Integrated Learning	David Edwards (Australia)
	318	The newest challenges in Continued Education at Polytechnic School of University of São Paulo	Jorge Luis Risco Becerra (Brazil)
	602	Post graduate industrial placements feeding back into undergraduate provision.	Alan Casey (UK)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>REDISCOVERING THE FOUNDATIONS – New Competencies: Soft Skills, Attitudes, and Values (II)</b>			
T2B	268	Teaching Systems Thinking to Engineering Undergraduates	Joseph Sussman (USA)
	145	An Inter-disciplinary Problem-based Approach to Educating Engineers in Sustainable Development	Bland Tomkinson (UK)
	191	Mechanical Engineer as a Technical Problem Solver	Otakar Dokoupil (Czech Republic)
	124	Parallel software engineering student projects	Juha Taina (Finland)
	491	Controlling Technology: Engineering Education is not a Virtual Reality Game	George Gibbon (South Africa)

<b>NEW APPROACHES AND TOOLS – Software and Computer Engineering</b>			
T2C	75	Behavior Pattern Mining during the Evaluation Phase in an e-Learning	Bernardete Ribeiro (Portugal)
	207	A novel software architecture for project-oriented E-learning with	Marten Völker (Germany)
	221	Teaching Software Architecture Quality based on run-time metrics	Renato Manzan de Andrade (Brazil)
	312	Application of Software Engineering Techniques to the Advanced Laboratory of the Cooperative Course	Jorge Luis Risco Becerra (Brazil)
	475	The Teaching of Data Structures Course for Computer Specialty	Yanqin Zhu (China)
	436	Educational simulation of the RiSC processor	Marc Jaumain (Belgium)

<b>NEW APPROACHES AND TOOLS – Teaching Strategies</b>			
T2D	196	Educational Objectives as a System Tool of Engineering Pedagogy and Management	Pavel Andres (Czech Republic)
	165	Optional Activities as a Way to Improve Student Engagement and Academic Achievement in a Large Engineering Class	Malgorzata Zywno (Canada)
	600	Pre-lecture assignments - a method for improving learning in engineering education	Samuli Kolari (Finland)
	612	Issues in capturing the classroom experience: Lessons from the trenches	André Martins (Portugal)
	623	Models in Teaching – New Possibilities	Krzysztof Tytkowski (Poland)
	315	Student's Autonomous Activities In Multidisciplinary Registers Learning	Fernando Fargueta-Cerdá (Spain)

<b>NEW APPROACHES AND TOOLS – ICT and Multimedia Tools</b>			
T2E	489	Audio Feedback for the iPod Generation	Anne Nortcliffe (UK)
	541	Distance Education Tools for Engineering	Lucy C. Morse (USA)
	46	Proposal Collaborative Networked Teaching at CEFET/RJ Brazil	Antonio José Pithon (Brazil)
	377	Learning and ICT in Universities: from "common" uses of ICT to a variety of learning models?	Patrick Badillo (France)
	166	A Case Study of A Navigator's Sea Aptitude Using Body Response to Visual Simulation	Koji Murai (USA)
	521	Pitfalls of Technology Enhanced Educational Tools for Engineering Education	Sukhmander Singh (USA)

<b>NEW APPROACHES AND TOOLS – Virtual Laboratories (I)</b>			
T2F	121	Improvement of Quality of Preparation of Engineers in Robotics by using of Grid-technologies	Alexander Bolshakov (Russia)
	485	Using web-based laboratories for control engineering education	Sebastián Dormido Bencomo (Spain)
	34	Virtual Laboratory Arrangement for Measuring Characteristic Power System Quantities	Anastasia Safigianni (Greece)
	504	The Development of Remote Access Computer-Aided Laboratories and their use at Technical Universities	Alexander Zimin (Russia)
	351	Weblab in Chemical Engineering between France and Brazil: validation of the methodology	Marion Alliet Gaubert (France)
	261	IT-Enhanced Laboratory Experience within a Modern Undergraduate Engineering Curriculum	EL-Sayed Aziz (USA)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>SPECIAL SESSION S1. E-Learning for Architectural Design, Product Design and Engineering Design (I)</b>			
T2G	89	A Visual Metaphor Representation of A Design Process Model	Graham Oakes (UK)
	341	Tendencies in Teaching Geometry and Graphics	Ksenija Hiel (Serbia)
	266	issue in the education of a future architect engineer	Jolanta Tofil (Poland)
	90	Moving to Rapid CAD Training	Xiandong Feng (United Kingdom)
	543	FMS simulator	Jussi Horelli (Finland)

<b>THE CHALLENGES OF RESEARCH – Emerging Engineering Areas</b>			
T3A	474	Engineering Education as an Area of Knowledge	Vanderli Fava Oliveira (Brazil)
	274	Introduction to systems approach using bio-energy resources as a tool for freshman engineering education	Kumar Mallikarjunan (USA)
	506	Using the Technology of Parallel Programming	Gulnar Balakayeva (Kazakhstan)
	184	The progress of the study branch Biomedical Technology at VSB Technical University Ostrava via the European Social Fund	Jindrich Cernohorsky (Czech Republic)
	518	The technical rehearsals in the preparation of the official parade of samba schools in the Carioca Carnival: a contribution on performance management	Mirian Martins da Motta Magalhães (Brazil)

<b>THE CHALLENGES OF RESEARCH – Encouraging Creativity</b>			
T3B	100	Attitudes and values in engineering students: diversifying evaluation methods.	Mariana Ruiz Morales (Mexico)
	106	Creative Engineering Education in Collaboration with Local Community	Kazuya Takemata (Japan)
	58	A Creativity Course for Engineers	Victor Valqui Vidal (Denmark)
	61	Improving Problem Solving and Encouraging Creativity in Engineering Undergraduates	Jonathan Adams (UK)
	177	A attempt to get more creativity to the training programme of engineers	Jukka Tuohi (Finland)

<b>THE CHALLENGES OF RESEARCH – Electrical Engineering</b>			
T3C	321	Acceptance of 3D Visualization Methods by Learning and Training in the Area of Electrical Engineering	Angel Nikolaev Angelov (Germany)
	297	Seeding Enquiry-Based Learning in Electrical and Electronic Engineering: Case Study 1 – Optoelectronics	Norman Powell (UK)
	293	Changing Tools and Methods in Engineering Education	Jerzy Moscinski (Poland)
	418	Electrical Two-ports; A Maple Approach	Amir Hossein Khanshan (Iran)
	545	Troubleshooting exercises using circuit simulator software: support for deep learning in the study of electronic circuits.	George Banky (Australia)

<b>THE CHALLENGES OF RESEARCH – Electrical Engineering and Robotics</b>			
T3D	380	Sensorless three-phase induction motor direct torque control using sliding mode control strategy laboratory set-up for motor speed control teaching	Marcos V. Lazarini (Brazil)
	445	Real-Time Simulation of Power Electronic based Drives with Hardware-in-the-Loop for Education and Research	Osama Mohammed (USA)
	429	Bringing Research Issues into Lab Scenarios on the Example of SOC Testing	Raimund Ubar (Germany)
	567	Ping: An Affective Robot Used in Learning by Playing	G.-W. Wu (Taiwan)
	298	Seeding Enquiry-Based Learning in Electrical and Electronic Engineering: Case Study 2 – Robotics	Norman Powell (UK)

<b>WHAT DEGREES FOR WHAT JOBS? – Defining the Levels of Engineering Practice</b>			
T3E	197	The work term organization in Brazilian coop education	Claudio Roberto De Freitas Pacheco (Brazil)
	325	A Graduate Curriculum for Engineering Leadership	Stephen McKnight (USA)
	412	Teaching Geotechnical Works Using Professional Practice	Teresa Santana (Portugal)
	431	Using Trend Analysis to Influence New Course Production	Phil Picton (United Kingdom)
	444	Industrial Design Exposure to the Engineering Students in Indian Context	Amarendra Das (India)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>WHAT DEGREES FOR WHAT JOBS? – The Bologna Process (II)</b>			
T3F	303	ECTS evaluation in the Faculty of Computer Science of the Polytechnic University of Valencia	Antonio Molina Marco (Spain)
	305	The Impact of the Bologna Process on the Civil Engineering Education in Europe	Iacint Manoliu (Romania)
	152	Abilities required for the foreseeable future and their development in higher education of science and engineering	Ryunosuke Kikuchi (Portugal)
	430	Re-thinking the curricula for electrical engineering education in Serbia – case of the Autonomy Province of Vojvodina	Djuro Kutlaca (Serbia)
	476	Some Reflections on the Needs of Mathematics Education for Engineering Studies: the Case of ISEP	Alcinda Barreiras (Portugal)

<b>WHAT DEGREES FOR WHAT JOBS? – Assessment of Engineering Education (I)</b>			
T3G	64	Assessment to Impact Engineering Retention	Susan Haag (USA)
	52	The Improvement of Engineering Education	António Betâmio de Almeida (Portugal)
	585	Professors Evaluation at the Escola Politécnica of the University of São Paulo	Ana Cecilia Pontes Rodrigues (Brazil)
	551	A study of engineering alumni perceptions of program quality: A case study of program improvement	Patricia Schmolze (USA)
	241	Quality Assurance and Assessment in Technical Education System: A Web Based Approach	Pallapa Venkataram (India)

<b>WHAT DEGREES FOR WHAT JOBS? – Assessment of Engineering Education (II)</b>			
T3H	129	Computerized Dynamic Assessment	Nirmal Khandan (USA)
	199	Assessment of Program Outcomes by Using Pomas	Sema Oktug (Turkey)
	201	Work in Progress – Qualitative analysis of the different assessment implementation methods in a School of Engineering. Preliminary Results	Amparo Camacho (Colombia)
	277	Designing indicators to measure the quality of engineering courses: the case of Escola Politécnica da Universidade de São Paulo	Oswaldo Nakao (Brazil)
	363	Eliminating correlations and redundancy in academic evaluation questionnaires trough multivariate analysis	José Carlos Grizendi (Brazil)

<b>REDISCOVERING THE FOUNDATIONS – Mathematics</b>			
W1A	625	Geometry - aims, tasks and methods	Stanislaw Sulwinski (Poland)
	264	Physical model in descriptive geometry – good idea?	Monika Sroka-Bizon (Poland)
	259	Geometry and engineering graphics in engineering education illustrated by example of advanced 3D modelling course	Monika Sroka-Bizon (Poland)
	41	Offsetting the Objects using Segmentation	Amod Tiwari (India)
	54	Enhancing The Teaching & Learning of Differential Equations Via Writing Reflections-A Case Study-	Azizan Zainal Abidin (Malaysia)
	657	Contribution to postcritical non-linear behaviour of elastic plane trusses discretised by FEM - Comparison results obtained by „Exact methods“ with Newton- Raphson method.	Milada Hlaváková (Czech Republic)

<b>REDISCOVERING THE FOUNDATIONS – New Competencies - Soft Skills</b>			
W1B	336	Developing Soft Skills in Engineering Studies – the experience of Student's Personal Portfolio	Artur Silva (Portugal)
	590	The teamwork impact on laboratory sessions and its contribution towards	Daniela Ionescu (Australia)
	505	Student Perceptions of “soft” skills in Mechanical Engineering	Rosetta Ziegler (South Africa)
	198	Social and Soft Skills in Engineering Education	Gerhard Hillmer (Austria)
	348	The role of hard and soft skills in engineering education	Júlio Martins (Portugal)
	627	Players of Social Responsibility in Engineering Professional Education in Brazilian - Scenario SINAES1 - National System for Superior Education Assessment	Leydervan Xavier (Brazil)



ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

W1C	<b>REDISCOVERING THE FOUNDATIONS – Entry Level</b>		
	420	A Year-Long Entry-Level College Course Sequence for Enhancing Engineering Student Success	Tony L Mitchell (USA)
	426	Promotion of Engineering Profession and Education in Electronics	Ilmars Slaidins (Latvia)
	443	Study of the attractiveness of a Civil Engineering Degree course	Brendan O'Kelly (Ireland)
	548	Reflections on the "Basic Cycle" of the engineering studies at the Escola	Haydée Svab (Brazil)
	597	Comparing Present Outcome Data to that Utilizing Bloom's Taxonomy	Enno Koehn (USA)
	470	COOPERATIVE EDUCATION: A PROPOSAL TO INCREASE THE NUMBER OF ADMITANCES OF STUDENTS INTO THE BRAZILIAN HIGHER EDUCATION PUBLIC INSTITUTIONS	Patricia Lara dos Santos Matai (Brazil)

W1D	<b>SPECIAL SESSION S2. New Tech in Math for Engineering and other Sciences (I)</b>		
	122	New challenges, new approaches: Are Mathematics still necessary in engineering curriculum?	Augustin de la Villa (Spain)
	111	Applied mathematics and computational modeling in Engineering	Zuzana Krivá (Slovak Republic)
	80	Implementation of IDP technique by the use of Matlab Software as a tool for the Chemical Engineering Education.	Paulo Roberto Alves Pereira (Brazil)
	295	Increasing the learning outcome in mathematics and physics by use of computer programs like Mathematica	Ivar Johannesen (Norway)
	496	Utilization of New Technologies in Science Teaching to Improve Student Learning at Engineering Introductory Physics Courses	Edson Pedro Ferlin (Brazil)
	127	The impact of web-based materials on student learning and course delivery in engineering mathematics – A collaborative partnership	Kevin Golden (United Kingdom)

W1E	<b>SPECIAL SESSION S5. Involving Engineering Schools and Universities in Technical and Scientific Education for School Outreach (I)</b>		
	419	GK-12 Expository Programs: Enhancing Science and Technology Education	Juan Lopez-Garriga (Puerto Rico)
	275	Assessment of High School Students' Exposure to Engineering via a Summer Camp	Karina Vernaza (USA)
	510	Increasing Enrollment of First-Time-Full Time Freshman (FTTF) in STEM Majors	Joel Bloom (USA)
	335	Including Universal Design in the Computer Science Curriculum	Kirsten Ribu (Norway)
	271	The National Nanotechnology Infrastructure Network - Implementing a Comprehensive Nano-Education Program	Nancy Healy (USA)
	529	Manufacturing Technology in Middle School Classrooms: A Collaborative Approach	Constance Ziemian (USA)

W1F	<b>SPECIAL SESSION S10 – Professionalism and Ethics in Engineering Education</b>		
	50	Engaging twenty-first century learners	Peter Willmot (UK)
	524	Engineering Ethics	Helena Pálková (Czech Republic)
	112	Avoiding Plagiarism and Collusion	Dana Dobrovská (Czech Republic)
	42	Teaching sustainability and ethics in engineering degrees	Abbas El-Zein (Australia)
	60	Teaching ethics in urban planning and architecture	Tadeusz Kuczynski (Poland)
	300	Engineering Ethics Education for Engineering Students in China	Chui-qian Kong (China)

W1G	<b>SPECIAL SESSION S11 – Addressing Emerging Technologies in an Engineering Curriculum</b>		
	394	Are the Curricula Able to Follow the Development Trends?	Tomáš Vrba (Czech Republic)
	262	A Satellite Communications Course in Undergraduate Electrical Engineering Curriculum: An Endeavor to Coping with the Changing Discipline Boundaries	Habib Rahman (USA)
	397	Education in Data Transmission Laboratory Respecting the Principles of Electromagnetic Compatibility	Tomas Zeman (Czech Republic)
	400	Transmission and Switching Systems: Trends of Technology in Education	Jiří Hájek (Czech Republic)
	403	New Education Trends in the Interdisciplinary Areas of Electromagnetic Compatibility	Jaroslav Svoboda (Czech Republic)
	408	Importance of Laboratory Experience in General Subjects	Jaromír Hrad (Czech Republic)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

		<b>NEW APPROACHES AND TOOLS – Virtual Laboratories (II)</b>	
W2A	132	A Virtual Platform to Teach Chemical Processes	Maria da Graça Rasteiro (Portugal)
	502	Evaluating FermOpt as a tool for teaching	Mark Lay (New Zealand)
	84	Teaching Heat Transfer to Engineering Students – a Course of Computer-Based Hands-On Activities	Colm O'Sullivan (Ireland)
	142	Feasibility study: Using a virtual surveying instrument in surveyor training	Hui-Lung Kuo (Taiwan)
	291	Development and Interaction of web labs and LMS	Manuel Castro (Spain)
		<b>NEW APPROACHES AND TOOLS – Virtual Laboratories (III)</b>	
W2B	355	A paradigm for vertically integrated curriculum innovation - how curricula were developed for undergraduate, middle and high school students using underwater robotics	Liesl Hotaling (USA)
	580	A laboratory support framework based on a networked knowledge	Vincent Raman (Belgium)
	354	Should Engineering Freshmen have an Engineering Laboratory in the First Semester?	Klaus Wuersig (USA)
	220	Engineering Education Using a Long-Distance-Controlled Robot System to Enhance Students' Motivation	Akiyuki Minamide (Japan)
	523	An Online Tool for Teaching Design Trade-offs in Computer Architecture	Azam Beg (United Arab Emirates)
		<b>NEW APPROACHES AND TOOLS – Problem Based Study Projects (I)</b>	
W2C	616	Development and Learning Experiences in Two New Courses at MIT	Monica Rush (USA)
	56	Using Games in Lectures to Improve Student Learning	John Anthony Rossiter (UK)
	153	Motivating Students Using In-Class Question Sessions	Elizabeth Laws (United Kingdom)
	155	The relevant factors in the Teaching–Learning Process of Design of Experiments	Juan Sillero (Mexico)
	243	Adopting Problem-Based Learning in the Teaching of Engineering Undergraduates: A Malaysian Experience	Berhannudin Mohd Salleh (Malaysia)
		<b>NEW APPROACHES AND TOOLS – Problem Based Study Projects (II)</b>	
W2D	501	Experience with practical project based learning in a developing undergraduate engineering degree	Tim Anderson (New Zealand)
	74	Model for engineering education to development of competences and abilities	Gilson Morales (Brazil)
	307	The study of "Free-rider" in problem-based learning (PBL) situation, takes the college interior design course as example	Hui-Chin Huang (Taiwan)
	536	Alternative and Augmentative Communication as Undergraduate Engineering Projects	Anil Prabhakar (India)
		<b>NEW APPROACHES AND TOOLS – Problem Based Study Projects (III)</b>	
W2E	308	The analysis of problem level and knowledge category in problem-based pedagogy applied to design education	Shau-Thou Yang (Taiwan)
	167	The Curriculum Design and Implementation of Problem-based Learning in Graphic Communications	Tsu-Ming Wu (Taiwan)
	32	What are the perceptions of lecturers towards using cooperative learning in	Aoife Ahern (Ireland)
	45	Basic circuits analysis learning: a Coimbra University case study in the Electrical and Computers Engineering Department	Pedro Faia (Portugal)
	528	Experimenta@FEUP	Maria Teresa Restivo (Portugal)
		<b>SPECIAL SESSION S1. E-Learning for Architectural Design, Product Design and Engineering Design (II)</b>	
W2F	92	learning approach in Design.	David Heesom (England)
	253	E-Learning environment of building automation	Matti Väänänen (Finland)
	322	Adaptive Mechanism in Virtual Education Environment	Marek Bober (Czech Republic)
	316	Application of TAM Model on E-Learning System in Using Intentions and Affecting Factors for Learners	Kuei-Chih, KC Chuang (Taiwan)
	537	MOBILE APPLICATION VIA PDA IN DISTANCE EDUCATION OF DESIGN	Secil Satir (Turkey)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

		<b>SPECIAL SESSION S2. New Tech in Math for Engineering and other Sciences (II)</b>	
W2G	86	Student Evaluation of The Learning Management System Frontier From an HCI Perspective	Frode Eika Sandnes (Norway)
	211	English as a Tool for Engineers	Jaana Suviniitty (Finland)
	273	UML based Embedded Documentation for Semi-automatic Software Development	Nenad Marovac (USA)
	649	A problem based approach to Optimization: applied cases, from primary level	João Miranda (Portugal)
	633	Transport Modeling for Improved Environment:: Engineering Education Studies of Environmental Impact and Customers Attitude	James Uhomoibhi (UK)
		<b>SPECIAL SESSION S12 – Technology and Society</b>	
W2H	55	A case study in using Theory of Change to improve teaching practice in an engineering department	John Anthony Rossiter (UK)
	457	Undergraduate Course Collaboration between Industrial Technology and	Sorraya Khiewnavawongsa (USA)
	469	Cooperative Education: The Knowledge of Competences	Patricia Lara dos Santos Matai (Brazil)
	471	Cooperative Education: The Physical Environment	Patricia Lara dos Santos Matai (Brazil)
	553	Incorporating Participatory Action Design into Research and Education	Dan Ding (USA)
		<b>SPECIAL SESSION S2. New Tech in Math for Engineering and other Sciences (III)</b>	
R1A	512	Using the concept of Google's Page Rank to enhance student motivation in mathematics	Francisco Pedroche (Spain)
	356	E-Learning in Sciences and Technologies of Space: "States of Arts and Strategies of Development" in Africa	Souad Elharrassi (Morocco)
	437	A Self-Practice Online Tool for Teaching and Learning Computational Skills in Engineering Curricula	Abbas El-Zein (Australia)
	296	Meaningful Learning through Identifying Differences and Similarities between Certain Problems and Algorithms	Malik Jahan Khan (Pakistan)
	258	Meaningful Learning of Problem Transformations for a Grid Graph	Munazzah Abdul Ghaffar (Pakistan)
		<b>SPECIAL SESSION S3. Education and Training for the Forestry Based Industries</b>	
R1B	662	Pilot project: To learn by teaching	Carlos Negro (Spain)
	592	An Engineering Course for Freshmen: Stimulating a Management Company	Therezinha da Costa (Brazil)
	117	The Gap Between Academic Skills And The Skills Needed For The Industry	Fernando Torgal (Portugal)
	558	Postgraduate Education on Pulp and Paper Engineering in Spain	Angels Pèlach (Spain)
	573	Design and development of a low cost programmable logic controller (PLC) workbench for education purposes	Abd Almotaleb Kheiralla (Sudan)
		<b>SPECIAL SESSION S5. Involving Engineering Schools and Universities in Technical and Scientific Education for School Outreach (II)</b>	
R1C	513	Higher/Secondary Education: a Successful Partnership	Celina Leão (Portugal)
	81	A U.S. Working Model for the K-16 Engineering Pipeline	Howard Kimmel (USA)
	120	A Proposed Model Curriculum for Pre-Engineering Degree Programs	Xin-Ran Duan (USA)
	131	Partnering Engineering and Science University Students With Secondary School Teachers to Increase Engineering and Technology Literacy of Secondary Students	Anant Kukreti (USA)
	286	An Innovative K-12 Science and Engineering Initiative	Joseph Cocozza (USA)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

		<b>SPECIAL SESSION S6 – Curriculum Development Adapting to Globalization</b>	
R1D	280	Engineering practice: a driver for curriculum change	Vojislav Ilic (Australia)
	427	Performing Engineering: How the Performance Metaphor for Engineering Can Transform Communications Learning and Teaching	Rick Evans (USA)
	416	Promoting Cultural Awareness and Understanding in Engineering Education Curriculum	Yuko Hoshino (USA)
	248	Integration of Research and Teaching in Engineering and Computer Education - Research Projects as a Source for Curriculum Development in Response to Globalization Challenges	Clara Amelia de Oliveira (Brazil)
	324	Developing the Creation Education of the Integration of Curriculum on the Living Culture and Technology in New Century	KC Chuang (Taiwan)
		<b>SPECIAL SESSION S7 – Education and Research on Sustainability</b>	
R1E	370	Engineering education and competences for sustainability education in Spain	Mónica Edwards (Spain)
	599	Cyberwork in Energy Planning and Sustainable Development	Ricardo Gimenes (Brazil)
	212	E-learning Instruction for the Implementation of a Renewable Energy Engineering Profile in an International Project	Eduardo Montero (Spain)
	51	TECHNICAL EDUCATION IN INDIAN CONTEXT	SHIENA SHEKHAR (India)
	85	Teaching of clean energy production in the Silesian University of Technology in Gliwice	Ryszard K. Wilk (Poland)
		<b>SPECIAL SESSION S8 – Humanitarian Engineering</b>	
R1F	204	Humanitarian Engineering Program – Challenges in the Execution of Remote Projects	Catherine Skokan (USA)
	460	Engineers Without Borders – USA, Learning through Humanitarian Service to Underdeveloped Communities	Willard Nott (USA)
	507	Renewable Energy Projects for Teaching Humanitarian Engineering	Pritpal Singh (USA)
	619	The Role of International Projects in Engineering Education: Bio-fuel Electrification in Orissa, India	Maren Somers (USA)
	645	University, Society and Engineering: the development of a partnership	Samuel Toffoli (Brazil)
		<b>SPECIAL SESSION S9 – Innovation and Entrepreneurship in Engineering Education</b>	
R1G	511	Entrepreneurship in Biomedical Engineering, from Classroom to Corporation: Case Study	Vikki Hazelwood (USA)
	329	The Generator II project, an International entrepreneurship collaboration based on the Venture cup contest and financed by the European Union INTERREG program.	Bjørn Gitle Hauge (Norway)
	588	Social Capital for Entrepreneurs	Celso Massatoshi Furukawa (Brazil)
	391	Teamwork and innovation competencies: A first semester engineering students hands-on course	Maria Catalina Ramirez (Colombia)
	249	A Study on the Need of Talents' Competency and Educating & Training at the Manufacturers in Taiwan	Ming-Ta Wu (Taiwan)
		<b>SPECIAL SESSION 15 – Assessment of Research and Education (I)</b>	
R1H	138	The Excellence System Application in Higher Education	Radim Farana (Czech Republic)
	289	Analysis of academic papers in the field of material science among universities and colleges in Chinese world	Mu-Hsuan Huang (Taiwan)
	463	SW3A: Web-Based System for Academic Assessment and Follow-Up	José Celso Freire Junior (Brazil)
	465	Undergraduate Research Projects	Andrew Kilpatrick (Australia)
	547	Evaluation of Engineering Education: a Case of Study based on the Experience of the Escola Politécnica da Universidade de São Paulo.	Giuliano Olguin (Brazil)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>REDISCOVERING THE FOUNDATIONS – Biology and Biotechnology</b>			
R2A	564	Why Engineering Biology Matters	Wee Ling Wong (USA)
	571	Bionics in Engineering - Defining new Goals in Engineering Education at "Politehnica"	Ralf Neurohr (Romania)
	659	Utilization of Biomass and Mixtures	Dagmar Juchelková (USA)
	244	Curricular Revision of the Industrial Biotechnology Undergraduate Program in Response to Establish a Bio-Based Economy	Rosa Buxeda (Puerto Rico)
	352	Biomedical Engineering Undergraduate Courses	Jose Carlos Moraes (Brazil)

<b>REDISCOVERING THE FOUNDATIONS – Design</b>			
R2B	276	Education of spatial thinking and aesthetics - toward humanization of built space	Lidia Zakowska (Poland)
	78	Design and Production Engineering. Some moving frontiers of the engineering education in Brazil	Beany Monteiro (Brazil)
	387	Distributed expertise and authenticity in the development of design expertise	Vanessa Svihla (USA)
	381	Design Education in Brazil	Regina Celia de Souza Pereira (Brazil)
	235	Synthesis Courses Project-Based and Knowledge-Based in Engineering Program	Chen Xu (China)

<b>NEW APPROACHES AND TOOLS – e-Learning (III)</b>			
R2C	240	A blended learning approach to teaching first year engineering degree students.	Peter Bullen (UK)
	76	Virtual Learning Approach in Vocational Initial Teacher Training	Peter Toth (Hungary)
	362	Implementing Advanced E-learning Facilities. Case Study for Babes-Bolyai University, Cluj-Napoca, Romania	Alina Andreica (Romania)
	577	Distance Learning Platform at Silesian University of Technology	Piotr Klosowski (Poland)
	490	E-Learning Platform for the Courses of Dynamics and Fluid Mechanics by X3D	J. F. Tsai (Taiwan)
	44	New Approach to Distance Learning with Using of Grid-computing	Olga Dolinina (Russia)

<b>THE CHALLENGES OF RESEARCH – Student Integration in Research Projects</b>			
R2D	108	Engaging Undergraduate Students in Research Projects	Maria da Graça Rasteiro (Portugal)
	601	SF Centers Approach to the Integration of Research and Education	Anne Donnelly (USA)
	595	Education Across Lengthscales	Graham Harrison (USA)
	313	Work Camps as a Halfway through Teaching and Research	Cristina Tudela-Andreu (Spain)
	72	Students research training and curriculum development through scientific projects	Mia Eeckhout (Belgium)
135	Research Experiences for Undergraduate Students in Structural Engineering	Anant Kukreti (USA)	

<b>NEW APPROACHES AND TOOLS – Laboratory Integration (I)</b>			
R2E	566	Design and development of a hydraulic circuit bench for education purposes	Abd almotaleb Kheirallaa (Sudan)
	634	Experimental modules construction by students: an important methodology to prepare future engineers.	Paulo Roberto Alves Pereira (Brazil)
	576	Design and development of a pneumatic circuit bench for education purposes	Abd Almotaleb Kheiralla (Sudan)
	554	The establishment of an interactive e-learning system for engineering fluid flow and heat	Tzu-Chen Hung (Taiwan)
	137	TIME RESOLVED IR THERMOGRAPHY IN ENGINEERING EDUCATION	Rafael M. Digilov (Israel)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>NEW APPROACHES AND TOOLS – Laboratory Integration (II)</b>			
R2F	147	Learning automation by doing it – a case-study	Pedro Silva (Portugal)
	278	A LabVIEW Application in a Mini Power System Model Allowing Remote	José Grimoni (Brazil)
	643	Sensors as Alternative Way for Teaching Microelectronics	Thiago de Faria (Brazil)
	562	Virtual laboratory of microelectronic mounting and packaging technologies	Cyril Vasko (Czech Republic)
	309	Virtual Nanotechnology Workbench for Engineering Education	Ante Munjiza (UK)

<b>SPECIAL SESSION S4. Multidisciplinary/Institutional Senior Design (I)</b>			
R2G	375	Materials, Marketing and the Environment - An Interdisciplinary Approach for Students	Dale Palmgren (USA)
	385	Exchange Program of Senior Projects in Mechanical Engineering	Yiming Rong (USA)
	424	Practitioner Driven Senior Design Capstone Course In Civil Engineering	Anant Kukreti (USA)
	525	Capstone Design Project on Optical MEMS: A Vehicle for Interdisciplinary Research and Learning	Eniko Enikov (USA)
	102	Meaningful Learning at the Interface of Computing and Molecular Biology	Ashraf Iqbal (Pakistan)
	255	Interdisciplinary Aspects in Micro(Nano) Electronics Technology Education	Ivan Szendiuch (Czech Republic)

<b>SPECIAL SESSION S5. Involving Engineering Schools and Universities in Technical and Scientific Education for School Outreach (III)</b>			
R2H	654	An Assessment of a High School BME Engineering Outreach Program	Anna Koo (USA)
	146	An Integrated STEM Research and Professional Development Project	Anant Kukreti (USA)
	586	Navigating the Obstacles in science Education for School Outreach	Diana Rincon (USA)
	532	Using an Expected Loss Function to Identify Best High Schools for Recruitment	Sonia Bartolomei-Suárez (Puerto Rico)
	520	Integrating Education and Outreach Programs in a Multi-Institutional Research Center	Elizabeth Tranter (USA)
	209	"Spazio per tutti" (Space for Everybody) : a Hands-on Experience toward Space Engineering	Amalia Finzi (Italy)

<b>WHAT DEGREES FOR WHAT JOBS? – Assessment of Engineering Education (III)</b>			
R3A	589	Reengineering Chemical Engineering Education for the Future	Pedro Saraiva (Portugal)
	97	Comparing Challenge-based and Traditional Instruction in Biomedical Engineering	Taylor Martin (USA)
	582	A Strategic Approach to Production Engineering in Brazilian Private Schools	Santoro Miguel Cezar (Brazil)
	503	Developing Mining Engineering for African Countries - The Mozambique Case Study	Peter Knottenbelt (South Africa)
	542	Course assessment at "Politehnica" University of Bucharest. A Case study.	Irina Postelnicu (Romania)

<b>WHAT DEGREES FOR WHAT JOBS? – Engineering Accreditation</b>			
R3B	186	Accreditation of Engineering Education for the Master's Degree in Taiwan	Mandy Liu (Taiwan)
	238	EUR-ACE and ENAEE: a Proposal and Tool for a European System for	Giuliano Augusti (Italy)
	252	Contributions to Quality Assurance of Engineering Education in Romania	Dan-Maniu Duse (Romania)
	267	research in Slovak Republic	Tatiana Corejová (Slovak Republic)
	479	Development of an Effective Learning Curriculum for FE/EIT Examination	Uksun Kim (USA)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>SPECIAL SESSION S4. Multidisciplinary/Institutional Senior Design (II)</b>			
R3C	495	Engineering Design Process – An Interdisciplinary Approach	Tanya Domina (USA)
	330	Engineering Education Solutions to a Global Economy	Alexandru Mihail Morega (USA)
	175	On Challenges of Design-Based Curriculum	Peter Bofah (USA)
	230	Organisational aspects of the EVICAB – a virtual European campus for biomedical engineering	Jiri Jan (Czech Republic)
	228	Combined biomedical and ecological engineering – initial experience from realization	Jiri Jan (Czech Republic)

<b>SPECIAL SESSION 15 – Assessment of Research and Education (II)</b>			
R3D	188	Models for research-based teaching in engineering courses: a case-study at the University of Aveiro (PT) and San José State (USA)	Isabel Huet (USA)
	364	Towards an assistance system for a good evaluation	Nour-Eddine El Faddouli (Morocco)
	368	Learner's follow-up (tracking): which system?	Mohammed Khalidi Idrissi (Morocco)
	628	Assessment of Current Engineering Education in Greek Universities	Asterios Liolios (Greece)
	136	Developing Process of Special Project Course at Department of Mechanical and Electro-Mechanical Engineering of National I-Lan University in Taiwan	Gwo-Chung Tsai (Taiwan)

<b>SPECIAL SESSION 16 – Curriculum Development and Practical Placement (I)</b>			
R3E	53	Two Comprehensive U.S. Studies of Engineering Education Reform	Ernest Smerdon (USA)
	176	A Logical Approach To Course Organization	Charles Bauer (USA)
	179	A Comparison between Problem-based Learning and Project-based Learning in Engineering Educational Courses	Jon-Chao Hong (Taiwan)
	180	Practical Challenges with a PBL Implementation in Engineering Education	Raija Tuohi (Finland)
	187	Why the Idea of Specialization of Universities and University Departments seems to be Outdated	Ali Amirfazli (Iran)

<b>SPECIAL SESSION S17 – Problem-Oriented Study Projects</b>			
R3F	539	A Problem and Group Oriented Learning Methodology for Teaching and Evaluating Information Systems Design	João Falcão e Cunha (Portugal)
	171	Procedures for ship conceptual design based on first principles	Hernani Brinati (Brazil)
	343	Evaluation Processes in Tune with New Personal and Professional Perspectives	Oswaldo Nakao (Brazil)
	533	Creative Use of Shake Table Experiments for Education and Undergraduate Research	Lisa Wang (USA)
	538	A Study on the Learning Assessment of a Sandwich Program Based on Constructivism	H.P. Feng (Taiwan)

<b>SPECIAL SESSION S18 – Engineering Education Policies and Practice - Theory and Case Studies</b>			
R3G	663	Overview and Brief Analysis of Financing of Innovative Activities and Research in Russia	Yury Chebotarevsky (Russia)
	478	Improving Student Retention – A Sequel to a Recent UWS Review	Graham Bishop (Australia)
	323	Experiences in Co-Operative Computer Engineering Course in the University of São Paulo – Brazil	Paulo Sérgio Cugnasca (Brazil)
	192	Research Institutionalization Efforts at the University of Puerto Rico – Mayagüez	Yuri Rojas-Ramírez (Puerto Rico)
	367	Pedagogical Computational Environment about the Behavior and Dimensioning of Composite Beams	Maria Aparecida Costa (Brazil)

ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>SPECIAL SESSION S19 – Increasing the Participation in Industry, Education and Research of Minorities and Women</b>			
R3H	125	Incorporating Ethics and Social Responsibility in Undergraduate Engineering Education	Jessica Tucker (USA)
	214	Linking Internship programs and Scholarship donations: Assessing Industry Reinvestment in Underrepresented Populations in Engineering	Susan Haag (USA)
	99	Being a female engineer student: lessons from industrial engineering	Celina P. Leão (Portugal)
	642	Addressing the challenge of under-representation in Engineering programs: three views	Sharoni Little (USA)
	447	Fostering the engineering education of women undergraduates, using Nigeria as a case Study	Chiejina E. Ottah (Nigeria)

<b>WHAT DEGREES FOR WHAT JOBS? – Entrepreneurship and Management</b>			
F1A	114	Leveraging a Research Center of Excellence Towards the Education of	Michael Silevitch (USA)
	157	Cooperative Education as an Undergraduate Feeder into a Graduate Level Engineering Leadership Program	David Potter (USA)
	251	The Study of Semiconductor Industry Manager' Management Competency and Training and Development in Taiwan	Ming-Ta Wu (Taiwan)
	639	e-Network for Incubation and Innovation	Juan Villalvazo-Naranjo (Mexico)
	150	Automation of Organizational Management of the Technical Higher Education Institutes on the Basis of the Balanced Scorecard	Alexander Bolshakov (Russia)

<b>NEW APPROACHES AND TOOLS – Learning Computer Programming</b>			
F1B	411	Learning to program - difficulties and solutions	Anabela Gomes (Portugal)
	163	Proposal for a Multilanguage Teaching Programming Environment	Rafael Fontao (Argentina)
	432	The impact of learning styles in introductory programming learning	Lilian Carmo (Portugal)
	410	Learning Styles in an e-Learning Tool	Anabela Gomes (Portugal)
	319	Learning to program with ProGuide	Cristiana Areias (Portugal)

<b>NEW APPROACHES AND TOOLS – Electrical, Electronics and Control Engineering</b>			
F1C	202	Remote Process Control and Monitoring Using MatLab	Martin Sysel (Czech Republic)
	236	Interactive educational software for dynamic systems control	José Luis Lima (Portugal)
	237	PLC training based on a 3D virtual maquette control: an educational experience in automation	José Luis Lima (Portugal)
	614	Role of PSpice in the teaching environment	Paul Tobin (Ireland)
	598	Cooperative Learning Strategy in the Improvement of an Electrical Power System Course	Manuel Travassos Valdez (Portugal)

<b>REDISCOVERING THE FOUNDATIONS – Physics</b>			
F1D	453	Curriculum Integration in the Teaching of Physics to First Year Engineering Students	Paulo Coelho de Oliveira (Portugal)
	583	Introductory Physics course for Civil Engineering students: a curricular proposal based on Physics Education Research	Filipe Amaral (Portugal)
	454	The Quality of Physics Teaching in Engineering Courses in the Bologna Transition Period: University Teacher's Conceptions	Cristina Gaspar de Oliveira (Portugal)
	67	Involving students to industrial projects	Andrzej Szlek (Poland)
	526	Real work in classroom: improving engineers students competences	Clara Viegas (Portugal)

<b>REDISCOVERING THE FOUNDATIONS – Chemistry</b>			
F1E	563	A Predictive Model of chlorination by-products formation in the ozonation/chlorination processes	E-E Chang (Taiwan)
	611	Rediscovering LeChatelier's Principle of Chemical Equilibrium	Claudio Olivera-Fuentes (Venezuela)
	172	Chemical product engineering and design: active learning through the use of	Fernando P. Bernardo (Portugal)
	260	The Origins and Development of the First Accredited Program with a B.S. in	Jerome Lando (USA)
	326	An Emission Analysis Model for Hebei Industries in China	Dezhi Liu (Norway)



ICEE 2007 - PROVISIONAL SCHEDULE OF PARALLEL SESSIONS

<b>NEW APPROACHES AND TOOLS – e-Learning (IV)</b>			
F1F	609	Fixed-Bed Reactor Modelling and Simulation with e-Learning Tools	Margarida J. Quina (Portugal)
	62	Big Bang in the Undergraduate Chemistry Curriculum via Symbolic Computation	Mihai Scarlete (Canada)
	292	ED-WAVE: An Educational Software for Training on Wastewater Technologies using Virtual Application Sites	Evan Diamadopoulos (India)
	388	Computational Tools for Teaching Graduate Courses in Geotechnical Engineering	Teresa Santana (Portugal)
	47	Visual simulation of construction activities: Didactic virtual models	Alcinia Zita Sampaio (Portugal)

<b>NEW APPROACHES AND TOOLS – e-Learning (V)</b>			
F1G	48	Automatic generation of parametric drawings using DXF and Visual Basic	Sampaio Alcinia Zita (Portugal)
	339	The Use of Freeware in the Teaching of Engineering Design Graphics	Liang-Yee Cheng (Brazil)
	438	The use of Internet in Engineering Education in Brazil	Elizabeth Marques (Brazil)
	193	"Virtual Assembly" - A Web-Based Student Learning Tool for Thermodynamics Concepts Related to Multistaging in Compressors and Turbines	Sushil Chaturvedi (USA)
	37	Introducing Sheet Metal Design and Manufacturing Using CATIAV5 and CNC Equipment in an Aircraft Materials Course	Ronald Sterkenburg (USA)

<b>SPECIAL SESSION 16 – Curriculum Development and Practical Placement (II)</b>			
F1H	395	Practicum in Engineering Classroom- A Graduate Course	Vinod Lohani (USA)
	399	A case study on the path from academic practices to commercialization in student projects	Gunnar Andersson (Norway)
	409	Towards the Design of the Professional Profiles in an Industrial Engineering Curriculum	Nestor Jiménez (Colombia)
	440	FIND LEARN STRATEGIES USING MULTIPLES INTELIGENCES: CASE STUDY IN A DISCIPLINE AT ESCOLA POLITÉCNICA UNIVERSITY OF SAO PAULO	Sergio Brandi (Brazil)