PROPOSED SESSIONS/WORKSHOPS FOR ICEE-2007 COIMBRA, PORTUGAL September 3-6, 2007

Proposals as of December 18, 2006 (See Item AJ, page 19)

For consideration by Prof. Carlos Furtado and Prof. Graca Rasteiro, Conference Co-Chairs



---- Original Message -----

From: "Carlos Sá Furtado" <safurtado@deec.uc.pt>

To: Anna Friesel; Bernardo Wagner; ktzaf; denis.gilet; dbourgeois; emontero; frodes; Hamadou_Saliah; ian.benest; Ingvar Gustavsson; h13773mec; kag; kskim; Dr. L.R. Chevalier; lueny.morell; lmsr; scavarda; Graça Rasteiro; Mauricio Duque; j.moscinski; ngetschko; moson; reve; naveiro; Low.Sew.Ming; em50010; tomas.cermak; uriel; v.ilic; iNEER; uvch; wojtekz

Cc: Antonio Dias de Figueiredo; Graça Rasteiro Sent: Wednesday, October 25, 2006 6:32 AM Subject: ICEE 2007 Coimbra (Portugal)

Dear Colleague,

I wish everything is all-right with you.

I am sending you a document which contains news and proposals of the Local Organizing Committee concerning ICEE 2007, to be held in Coimbra (Portugal).

We would be grateful if you send us comments and suggestions to improve these proposals.

Best greetings,

Carlos Sá Furtado (Chair of the Organizing Committee)

(B)

----Original Message----

From: ineer-bounces+ineer=ineer.org@listserver.njit.edu on behalf of Aung, Win

Sent: Mon 11/27/2006 3:01 PM

To: ineer@ineer.org

Cc: ineer@listserver.njit.edu

Subject: Invitation to ICEE-2007, September 3-7, 2007, Coimbra, Portugal (no

attachment)

Dear Colleague:

We are pleased to append below the text of a special invitation for you from Prof. Fernando Seabra Santos, Rector of the University of Coimbra, Coimbra, Portugal, to participate in ICEE-2007 to be held during September 3-7, 2007 in Coimbra, Portugal. The signed letter has been posted along with the main pages from the conference website at:

http://www.ineer.org/Events/ICEE2007Info/Welcome.htm

We encourage you to reply directly to Prof. Carlos Sá Furtado, and Prof. Maria da Graça Rasteiro, Co-Chairs of ICEE-2007, concerning suggestions for conference sessions (no later than December 31, 2006), and submission of abstracts (no later than February 16, 2007). Professor Furtado and Prof. Rasteiro may be reached at:

safurtado@deec.uc.pt mgr@eq.uc.pt

Please plan to participate in ICEE-2007, the premier event for the iNEER community. As is the practice in iNEER conferences, a copy of "Innovations 2007", the iNEER Special Volume for 2007 that will be published in the summer of 2007, will be included in the registration package for each participant who pays the full registration fee for ICEE-2007.

Please feel free to forward this e-mail to your colleagues.

Sincerely,

Tomas Cermak, Ph.D. Rector, VSB - Technical University of Ostrava Ostrava, Czech Republic Chair, iNEER Board

Win Aung, Ph.D. Secretary-General iNEER Secretariat Potomac, MD, USA

November 2006

Dear Colleague,

The 2007 International Conference on Engineering Education (ICEE-2007) will be held in Coimbra, Portugal, from the 3rd to the 7th of September 2007. The ICEEs, sponsored by the International Network on Engineering Education and Research – iNEER, are prestigious and renowned conferences in the domain of engineering education. They

attract hundreds of academics and educators from all over the World. Past conferences have been hosted by reputed universities in Taiwan, Brazil, Czech Republic, United States, Norway, United Kingdom, Spain, Poland and Puerto Rico. Preliminary information about ICEE-007 is attached.

We invite you to submit abstracts and to be with us in the ICEE 2007. The deadline for the presentation of abstracts, which can be done directly on line at http://icee2007.dei.uc.pt , is February 16, 2007. Also we will appreciate your suggestions of topics for regular and workshop sessions; the due date for suggestions, which may be done online or by e-mail addressed to the Conference Chair or Co-Chair, is December 31, 2006.

ICEE-2007 will take place at the University of Coimbra, Portugal, the perfect environment to discuss the big challenges facing engineering education in our modern society. The University of Coimbra, now seven-century old, is the oldest University in Portugal and one of the oldest universities in Europe. Its historical buildings are the premises of a medieval palace situated on the highest hill of the town of Coimbra overlooking the Mondego River. St. Peter College, St. Michael Chapel, the Rector's Palace, the Grand Hall, the King John Library are world-renown landmarks situated on campus.

Coimbra, the first capital of Portugal, is a place full of tradition and beauty. Cathedrals, churches, monasteries, museums and gardens are jewels of a past where history and legend mix and interweave delight and enchant all visitors.

We will be delighted to have you with us in Coimbra next September. Please do not hesitate to contact us if you have any question or need further information.

Yours cordially,

Prof. Fernando Seabra Santos Rector, University of Coimbra

Prof. Carlos Sá Furtado Faculty of Sciences and Technology Prof. João Gabriel Silva Dean, Faculty of Sciences and Technology

Prof. Maria da Graça Rasteiro Faculty of Sciences and Technology

(C)

-----Original Message-----**From:** Aung, Win

Sent: Tue 12/5/2006 8:00 PM

To: ineer@ineer.org

Cc:

Subject: FW: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

-----Original Message-----From: Aung, Win

Sent: Mon 12/4/2006 6:38 PM

To: Carlos Sá Furtado; Anna Friesel; wagner; safurtad; Cornelia.Connolly; ktzaf; denis.gilet; dbourgeois; emontero; frodes; Hamadou_Saliah; ian.benest; Ingvar Gustavsson; jack.singh; h13773mec; kag; kskim; Dr. L.R. Chevalier; Morell, Lueny; Imsr; scavarda; Graça Rasteiro; Mauricio Duque; j.moscinski; ngetschko; moson; reve; naveiro; Low.Sew.Ming; em50010; tomas.cermak; uriel; v.ilic; iNEER; uvch; wojtekz; rector; billbegell; carpinelli; chang; ums; xranduan; d.edwards; iee1; radim.farana; psfox; froyd; agimeno; hamadou_saliah; csimbert; wayne_johnson; marios.hti; Robin.King; alaneve; tmlin; vlohani; mecsi; jjmiau; Jmoscinski; oush; Perna, Angelo; reve; frode.eika.sandnes; sengupta; sharma; cskokan; fukangtsou; jgtront; j.uhomoibhi; myen; wojciech.zielinski

Cc: Antonio Dias de Figueiredo; Graça Rasteiro

Subject: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Colleagues:

On November 27, 2006 the U. of Coimbra sent out an invitation to the iNEER community inviting suggestions for session and workshop topics (due December 31, 2006) and submission of abstracts (due February 16, 2007).

In response, I would like to suggest seven (7) topics that I believe will be timely and of special interest to members of the iNEER community. The topics are listed below.

I would like you to look at them and give me your comments. Also, please feel free to add other topics to the list and put your name to them. We can consolidate all of our suggestions and send them to Prof. Carlos Furtado by December 31, 2006.

Regards.		
Win Aung.		

- 1. Research and Education Assessment in Research Centers and Networks (Aung)
- 2. Integrating Education Activities in Academic Research Centers (Aung)
- 3. Curriculum for Global Engineering Practices (Aung)
- 4. Promoting Student Entrepreneurship (Aung)
- 5. Best Practices for Industry-University Cooperation (Aung)
- 6. International Cooperation for Enhancing Innovation in Research and Education (Aung)
- 7. Providing Research Experiences for Students 8. Education Programs in Research Centers and Consortia (Aung)

-----Original Message-----

From: Radim Farana [mailto:radim.farana@vsb.cz]

Sent: Tue 12/5/2006 1:51 AM

To: Aung, Win

Cc:

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Win,

our university and especially my faculty has very good experience with the Quality Management System based on ISO 9000 normative and the Excellence system based on the EFQM Excellence model (European Foundation for Quality Management), which can very successfully improve the university management system, efficiency of all processes etc. Based on my experiences I suggested the topic (tentative name): University management systems based on QMS and Excellence system

Best regards

Radim



----Original Message----

From: Bernardo Wagner [mailto:wagner@rts.uni-hannover.de]

Sent: Tue 12/5/2006 8:23 AM

To: Aung, Win

Cc:

Subject: Re: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Win,

your topics are more on organizational and collaborational level. These are important things but teaching practice should not be omitted at ICEE. Wouldn't it make sense to add topics on engineering education practice and methods. Therefore I propose an additional topic:

Technology Enhanced Engineering Education (Wagner)

Bernardo



----Original Message----

From: Dr James Uhomoibhi [mailto:j.uhomoibhi@ulster.ac.uk]

Sent: Tuesday, December 05, 2006 10:46 AM

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Colleagues,

In addition and in some cases as complements to the sessions proposed by Win, I propose the following for consideration:

1. Professionalism and Ethics in Engineering Education (Uhomoibhi)

- 2. e-Tools, Virtual Laboratories and Knowledge Integration in Engineering Education (Uhomoibhi)
- 3. Entrepreneurship and Management Technologies applied in Engineering education and Research (Uhomoibhi). Perhaps this may complement suggestion no. 4 proposed by Win Aung.
- 4. Engineering Education Policies and Practice Theory and Case Studies (Uhomoibhi)
- 5. Global Challenges and the Future of Engineering Education (Uhomoibhi)
- 6. Technology and Knowledge Transfer and Sustainability in Engineering Education and Research (Uhomoibhi)

I believe these themes could contribute to or form the focus of some of the sessions or workshops. Should additional clarification be required reference any of them, please let me know.

Regards

James

Dr. James Uhomoibhi CPhys MInstP ILTM MBCS CITP Lecturer & Faculty E-Learning Coordinator Faculty of Engineering University of Ulster Shore Road, Newtownabbey Co. Antrim BT37 0QB Northern Ireland, UK

Web: http://www.ulster.ac.uk/staff/j.uhomoibhi.html

(G)

----Original Message----

From: Morell, Lueny (HP Univ Relations) [mailto:lueny.morell@hp.com]

Sent: Tue 12/5/2006 9:57 AM

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Agree with both propositions. Regards,

Lueny

Lueny Morell

Director, University Relations Latin America HP Labs, Hewlett Packard Company

(H)

-----Original Message-----From: David C. Chang

Sent: Tue 12/5/2006 11:15 AM

Subject: Re: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Win & James, while I like the lists that you suggested, I see some overlapping themes that need to be consolidated. Can I assume that the technical committee for the conference is responsible for that before publishing the program announcement? David

Sent via BlackBerry from Cingular Wireless

(I)

-----Original Message-----From: Perna, Angelo

Sent: Tue 12/5/2006 1:23 PM

To: Aung, Win

Cc:

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Win: I agree and volunteer to head up #7. Angie

(J)

----Original Message----

From: Dr James Uhomoibhi [mailto:j.uhomoibhi@ulster.ac.uk]

Sent: Tue 12/5/2006 3:33 PM

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

David,

I presume your suggestion is right, but would leave it to Win to confirm that it is so.

Regards James

Dr. James Uhomoibhi CPhys MInstP ILTM MBCS CITP Lecturer & Faculty E-Learning Coordinator Faculty of Engineering University of Ulster Shore Road, Newtownabbey Co. Antrim BT37 0QB

(K)

----Original Message----

Northern Ireland, UK

From: Ramon Vazquez [mailto:reve@ece.uprm.edu]

Sent: Tue 12/5/2006 4:31 PM

To: Aung, Win

I agreed with the propositions. Cordially

Ramon

(L)

----Original Message----

From: Cathy Skokan [mailto:cskokan@mines.edu]

Sent: Tue 12/5/2006 7:31 PM

To: 'Ramon Vazquez'; Aung, Win

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

I think a session on humanitarian engineering in the classroom would be good also.



----Original Message-----

From: Dominique Bourgeois [mailto:dbourgeois@ejcm.univmed.fr]

Sent: Tue 12/5/2006 12:17 PM

To: Aung, Win

Subject: Re: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Hello,

It seems you cover many fields and I agree with all these interesting propositions.

I am personnally particularly interested by the following:

2. e-Tools, Virtual Laboratories and Knowledge Integration in Engineering Education (Uhomoibhi). I suppose you include e-learning.

May I suggest to link the following topics

- 5. Global Challenges and the Future of Engineering Education (Uhomoibhi)
- 3. Curriculum for Global Engineering Practices (Aung)

and perhaps to combine the global challenges with the labour market evolution.

Best regards

Bourgeois Dominique

Professeur Agrégée des Universités (Sciences Economiques) et Professeur en Sciences de l'Information et de la Communication

Université de la Méditerranée Aix-Marseille II

Ecole de Journalisme et de Communication de Marseille http://www.ejcm.univ-mrs.fr

Laboratoire Medi@SIC (Laboratoire de Recherche sur les Médias, l'Information et la Connaissance, EA 3240) http://www.mediasic.univ-mrs.fr



----Original Message----

From: Kambiz Gindesgaard [mailto:kag@VitusBering.dk]

Sent: Wed 12/6/2006 2:10 AM

To: Aung, Win

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Colleagues

In my opinion it would be a good idea to put a manageable structure for the coming ICEE conferences in terms of:

- 1) A main theme
- 2) A set of main session/workshop topics (perhaps limited it to 5 topics)
- 3) A set of general topics (unlimited)

A proper candidate for ICEE 2007 theme would be:

"Globalisation, Innovation and Moving Production to far East/West"

I find Dr. Wings initial 7 topics as very qualified candidates for main topics. My suggestions with inspiration from Dr. Wing, James and Dominique:

- 1. Promoting a Closer Partnership between Engineering Educations and Research Centres (Gindesgaard)
- 2. Curriculum Development, Adapting Globalization, Innovation and Entrepreneurship in Engineering Educations, the challenge of the Century (Gindesgaard)
- 3. Problem Oriented Study Projects (Gindesgaard)
- 4. Curriculum Development and Practical Placement, Working at least one semester in a related company/enterprise (Gindesgaard)

Kind regards

Kambiz Gindesgaard

Professor & International Coordinator Member of iNEER International Steering Committee

University College, Vitus Bering Denmark Faculty of Technology & Management

Chr. M. Østergaardsvej 4 DK-8700 Horsens Denmark



----Original Message----

From: Cornelia.Connolly [mailto:cornelia.connolly@ul.ie]

Sent: Wed 12/6/2006 12:18 PM **To:** Kambiz Gindesgaard; Aung, Win

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear All

The suggestions to date represent an excellent scope for the workshops and will be very relevant to our audience.

May I suggest another topic in relation to increasing the participation in industry, education and research of minorities and women in engineering and technology.

Regards, Cornelia



----Original Message----

From: Mauricio Duque [mailto:maduque@uniandes.edu.co]

Sent: Wed 12/6/2006 3:31 PM

To: Ramon Vazquez

Subject: Re: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Some weeks ago I proposed a fourth plenary session related to "Involving engineering schools/universities in technology and science Education for K-12 students". If this proposal is accepted, I think that the natural consequence is to open a new track with this kind of projects that exist at the moment in different countries.

Engineering schools and universities must be involved in science and technological K-12 education, in order to promote a better scientific and Technological education and teacher support. Therefore, it is possible to promote scientific and technological vocation, more interest in engineering careers (particularly between women and minorities), and better freshman students with a strong background in mathematics, science and technology. Besides, society needs more illustrated citizens on science and technology in order for them to make important decisions on S&T, contributing to innovation and competitiveness, and to generate a better environment for engineer practice.

Mauricio DUQUE Associated Professor School of engineering Universidad de los Andes



----Original Message----

From: Aung, Win

Sent: Wed 12/6/2006 4:35 PM

To: Mauricio Duque; Ramon Vazquez

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Mauricio: I am glad you are proposing this topic. I will include it. There should be quite a bit of interest from the community. There is a lot of interest in many countries now with lots of government funding. We can some experiences and best practices.

Win Aung.



-----Original Message-----

From: Vojislav Ilic [mailto:V.Ilic@uws.edu.au]

Sent: Wed 12/6/2006 6:29 PM

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Win

I like all of your proposed topics, although some could be combined under a more generic title. I would like to make a few more suggestions:

- 1. Addressing the emerging technologies in an Engineering Curriculum
- 2. Coping with the changing discipline boundaries
- 3. The Bologna model, some early experiences and global issues
- 4. Technology and Society
- 5.
- Technical Research and Education 6.
- Sustainability and Ethics in an Engineering Curriculum
- 7. Professional Development Courses and life-long-learning
- 8. Government academia interaction
- 9. Global networking in Engineering Education

Vic

Vojislav Ilic

University of Western Sydney

(S)

----Original Message----

From: Cathy Skokan [mailto:cskokan@mines.edu]

Sent: Wed 12/6/2006 7:08 PM

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

I like the condensed list and think that my proposed idea of humanitarian engineering could well fit into the sustainability and ethics category.



----Original Message----

From: Aung, Win

Sent: Thu 12/7/2006 1:25 PM

Subject: Session topics proposed so far

Here is the list of 32 suggestions up to now concerning ICEE-2007 sessions/workshop.

(Unrelated paragraphs deleted.)

Regards.

Win Aung.

1. Research and Education Assessment in Research Centers and Networks (Aung)

- 2. Integrating Education Activities in Academic Research Centers (Aung)
- 3. Curriculum for Global Engineering Practices (Aung)
- 4. Promoting Student Entrepreneurship (Aung)
- 5. Best Practices for Industry-University Cooperation (Aung)
- 6. International Cooperation for Enhancing Innovation in Research and Education (Aung)
- 7. Providing Research Experiences for Students 8. Education Programs in Research Centers and Consortia (Aung)
- 8. Recent Developments and Advances in University Management Information Systems (Farana)
- 9. Technology Enhanced Engineering Education (Wagner)
- 10. Professionalism and Ethics in Engineering Education (Uhomoibhi)
- 11. e-Tools, Virtual Laboratories and Knowledge Integration in Engineering Education (Uhomoibhi)
- 12. Entrepreneurship and Management Technologies applied in Engineering education and Research (Uhomoibhi). (Perhaps this may complement suggestion no. 4 proposed by Win Aung.)
- 13. Engineering Education Policies and Practice Theory and Case Studies (Uhomoibhi)
- 14. Global Challenges and the Future of Engineering Education (Uhomoibhi)
- 15. Technology and Knowledge Transfer and Sustainability in Engineering Education and Research (Uhomoibhi)
- 16. Humanitarian Engineering in the Classroom (Skokan)
- 17. Recent Developments and Advances in University Management Information Systems (Farana)
- 18. Promoting a Closer Partnership between Engineering Educations and Research Centres (Gindesgaard)
- 19. Curriculum Development in Response to Globalization and the Challenges of the 21st Century, incluidng Innovation and Entrepreneurship (Gindesgaard)
- 20. Best Practices for Problem Based Learning Projects (Gindesgaard)
- 21. Curriculum Development and Practical Placement in Industry Internships (Gindesgaard)
- 22. Increasing the Participation in Industry, Education and Research of Minorities and Women in Engineering and Technology (Connolly)
- 23. Involving engineering schools/universities in technology and science Education for K-12 students (Duque)
- 24. Addressing the emerging technologies in an Engineering Curriculum (Ilic)
- 25. Coping with the changing discipline boundaries (Ilic)
- 26. The Bologna model, some early experiences and global issues (Ilic)
- 27. Technology and Society (Ilic)
- 28. Technical Research and Education (Ilic)
- 29. Sustainability and Ethics in an Engineering Curriculum (Ilic)
- 30. Professional Development Courses and life-long-learning (Ilic)
- 31. Government academia interaction (Ilic)
- 32. Global networking in Engineering Education



-----Original Message-----**From:** Perna, Angelo

Sent: Fri 12/8/2006 2:16 PM

To: Aung, Win

Cc:

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Win: With carefull editing many of the topics can be combined. Angie



----Original Message----

From: Aung, Win

Sent: Friday, December 08, 2006 2:58 PM

To: Perna, Angelo

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Angie: Would you likje to take a crack at it and send the final list to Carlos and Graca?

Win Aung.



-----Original Message-----From: Perna, Angelo

Sent: Sat 12/9/2006 10:03 AM

To: Aung, Win

Cc:

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Send me what you have and I'll touch base with Carlos and Graca.



----Original Message-----

From: Fox, Patricia S [mailto:psfox@iupui.edu]

Sent: Sun 12/10/2006 9:45 PM

To: Aung, Win; Mauricio Duque; Ramon Vazquez

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear all:

I summarized the proposed sessions in the following list (I thought this might help in deciding what sessions to offer) I hope I captured all of them:

Global Challenges

- * Global Challenges and the Future of Engineering Education (Uhomoibhi)
- * Curriculum Development, Adapting Globalization
- * The challenge of the Century (Gindesgaard)

Interdisciplinary Work and Changing Disciplinary Boundaries

Coping with the changing discipline boundaries

Partnerships/Collaboration/Cooperation: with Industry and/or Research Centers with International Universities and Research Centers (or with National or International Entities)

- * Best Practices for Industry-University Cooperation (Aung)
- * International Cooperation for Enhancing Innovation in Research and Education (Aung)

- * Education Programs in Research Centers and Consortia (Aung)
- * Government academia interaction
- * Promoting a Closer Partnership between Engineering Educations and Research Centres (Gindesgaard)

Global Engineering Practices

- * Curriculum for Global Engineering Practices (Aung)
- * Sustainability in Engineering Education and Research (Uhomoibhi)
- * The Bologna model, some early experiences and global issues
- * Global networking in Engineering Education
- * Humanitarian Engineering

Entrepreneurship and management skills for engineering students

- * Promoting Student Entrepreneurship (Aung)
- * Entrepreneurship and Management Technologies applied in Engineering education and Research (Uhomoibhi)
- * Innovation and Entrepreneurship in Engineering Educations

Professionalism, Ethics and Professional Development

- * Professionalism and Ethics in Engineering Education (Uhomoibhi)
- * Professional Development Courses and life long learning

Emerging Technologies

- * Technology and Knowledge Transfer (Uhomoinhi)
- * Addressing the emerging technologies in an Engineering Curriculum
- * Technology and Society

e-tools, Virtual laboratories and Knowledge integration

* e-Tools, Virtual Laboratories and Knowledge Integration in Engineering Education (Uhomoibhi)

Innovative Engineering Curriculum

- * Research and Education Assessment in Research Centers and Networks (Aung)
- * Technical Research and Education
- * Working at least one semester in a related company/enterprise (Gindesgaard)
- * Curriculum Development and Practical Placement
- * Problem Oriented Study Projects (Gindesgaard)
- * Integrating Education Activities in Academic Research Centers (Aung)
- * Engineering Education Policies and Practice Theory and Case Studies (Uhomoibhi)
- * Providing Research Experiences for Students

Pat Fox



----Original Message-----

From: Aung, Win

Sent: Mon 12/11/2006 8:25 PM

To: Fox, Patricia S; Mauricio Duque; Ramon Vazquez

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Pat: Thank you. You have helped identify which major themes we are covering and which, if any, we have yet to cover.

Win Aung.



----Original Message----

From: cskokan@mines.edu [mailto:cskokan@mines.edu]

Sent: Tue 12/12/2006 8:49 AM

To: Aung, Win

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra(Portugal)

I would be interested in organizing a humanitarian engineering session.



----Original Message----

From: Xin-Ran Duan [mailto:xranduan@hcc.mass.edu]

Sent: Tue 12/12/2006 9:17 AM

To: Aung, Win; Fox, Patricia S; Mauricio Duque; Ramon Vazquez

Subject: Re: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Dr. Aung and all Colleagues,

Thank Dr. Pat Fox for the wonderful summary; also, I agree with other colleagues' helpful comments to Dr. Aung's original suggestions.

I would like to add two topics within GLOBAL CHALLENGES:

- * Enhance transfer opportunities for engineering students (e.g., from two-year and community colleges into universities; engineering degree transfer from a country to another country; etc.)
- * Strengthen connection of K-12 engineering programs with university engineering programs (e.g. dual credits; degree-link programs; special engineering projects for high school students in university, etc.)

Thank you!

Best regards,

Xin-Ran Duan



----Original Message----

From: Joe Tront [mailto:jgtront@vt.edu]

Sent: Tue 12/12/2006 10:41 AM

To: Aung, Win; Fox, Patricia S; Mauricio Duque; Ramon Vazquez

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Dear Win,

I like the codification of the themes for the ICEE as set up below. I would be pleased to work with you and others on developing sessions on Emerging Technologies. In particular if you need someone to lead the area titled "Addressing the emerging technologies in an Engineering Curriculum", I will volunteer. ---jgt

(AC)

----Original Message-----

From: Michael B. Silevitch [mailto:msilevit@ECE.NEU.EDU]

Sent: Tue 12/12/2006 2:41 PM

To: Aung, Win

Cc: msilevit@ECE.NEU.EDU

Subject: RE: Topics for Eng. Education Conf., ICEE-2007

Dear Win

Could topic 4 be reworded to:

4. Promoting Student Entrepreneurship and Engineering Leadership (Aung/MBS)

Along the same lines topic 12 could become

12. Engineering Entrepreneurship, Leadership and Management

education and Research (Uhomoibhi/MBS). (Perhaps this may complement

suggestion no. 4 proposed by Win Aung.)

Or a combination:

Education and Research Programs focused on Entrepreneurship and Engineering Leadership (Aung/MBS/Uhomoibhi)

Regards

Michael

Michael B. Silevitch
Robert D. Black Professor
Department of Electrical & Computer Engineering and
Director, The Bernard M. Gordon Center for
Subsurface Sensing and Imaging Systems
Northeastern University
Room 302 ST
360 Huntington Avenue
Boston, MA 02115



-----Original Message-----

From: Michael B. Silevitch [mailto:msilevit@ECE.NEU.EDU]

Sent: Tue 12/12/2006 4:41 PM

To: Aung, Win

Cc: psfox@iupui.edu; McKnight, Steve; msilevit@ECE.NEU.EDU

Subject: RE: Topics for Eng. Education Conf., ICEE-2007

Dear Win

Thanks for sending this suggestion forward. I think the combined topic could attract a number of good papers.

Once I hear about the final session organizations I will submit an abstract. Most likely Steve McKnight will also submit one as well.

Regards

Michael

Michael B. Silevitch
Robert D. Black Professor
Department of Electrical & Computer Engineering and
Director, The Bernard M. Gordon Center for
Subsurface Sensing and Imaging Systems
Northeastern University
Room 302 ST
360 Huntington Avenue
Boston, MA 02115

(AE)

----Original Message-----

From: Aung, Win [mailto:waung@ineer.org]
Sent: Tuesday, December 12, 2006 4:23 PM

To: Michael B. Silevitch

Cc: msilevit@ECE.NEU.EDU; Fox, Patricia S

Subject: RE: Topics for Eng. Education Conf., ICEE-2007

Mike: Of course. I am forwarding your suggestions to Prof. Pat Fox of IUPUI who has done a fine job of re-organizing the various topics under over-arching themes.

(AF)

----Original Message----

From: Fox, Patricia S [mailto:psfox@iupui.edu]

Sent: Tue 12/12/2006 5:09 PM
To: Aung, Win; Michael B. Silevitch
Cc: msilevit@ECE.NEU.EDU

Subject: RE: Topics for Eng. Education Conf., ICEE-2007

I would be happy to update the themes.

Pat

(AG)

----Original Message----

From: Fox, Patricia S [mailto:psfox@iupui.edu]

Sent: Tue 12/12/2006 10:23 PM

To: Aung, Win; Mauricio Duque; Ramon Vazquez **Cc:** Carlos Sá Furtado; Anna Friesel; safurtad@deec.uc.pt

Subject: RE: Proposed session/workshop topics for ICEE 2007 Coimbra (Portugal)

Attached is the word file with the updated list of the conference topic. I hope I recorded them all. Best Regards,

Pat

(AH)

----Original Message----

From: Luiz Carlos Scavarda do Carmo [mailto:scavarda@vrad.puc-rio.br]

Sent: Sun 12/17/2006 12:57 PM

Subject: RES: Proposed session/workshop topics for ICEE 2007. Coimbra (Portugal)

Dear Members of the ICEE 2007 Steering Committee

I think that Patricia made a very nice job in organizing the several themes for the ICEE 2007. Sessions started with Win Aung proposition and were enriched by many.

Looking from the developing world, particularly from Latin America, I suggest that an item such as "Engineering Based Social and Economic Development" could be added, either as an independent item or as part of the Global Challenges (first set of themes) as proposed by Patricia.

In Latin America, many feel the immense recent push forward of the Developing Asia, particularly Korea, India and China, as a clear example of "Engineering Based Development" that prospered in Asia, but did not touch the heart of Latin Americans. Engineering enrollment is reducing in the region and development is treated in general away from Engineering and Innovation. This item has been thoroughly discussed in Latin America by the industry, the government and certain areas of the Academy, and was a central workshop in the Global Colloquium on Engineering Education - GCEE - that occurred in Rio de Janeiro last October.

I think that Latin Americans would find the ICEE in Portugal as a nice place to continue this discussion with colleagues around the world.

Greetings Luiz Scavarda



----Original Message----

From: Fox, Patricia S [mailto:psfox@iupui.edu]

Sent: Sun 12/17/2006 11:08 PM

Subject: RE: Proposed session/workshop topics for ICEE 2007. Coimbra (Portugal)

Dear All,

Attached is another updated list. I found several other suggestions I had left off the original list. Please let me know if there are others I missed.

Thanks

Pat



----Original Message----

From: Fox, Patricia S [mailto:psfox@iupui.edu]

Sent: Mon 12/18/2006 10:45 AM **To:** safurtado@deec.uc.pt; Aung, Win

Cc: Fox, Patricia S

Subject: lastest version of conference topics

Dear Carlos,

Here is the latest from this morning of the conference topic list. I have made another change since last evening suggested by another colleague. If I get anymore changes I will send them to you

Best Regards,

Pat

Pat Fox Associate Dean Purdue School of Engineering and Technology, IUPUI 799 West Michigan Street Indianapolis,IN 46202-5160

Attachment (Amended as of December 18, 2006):

ICEE 2007 Coimbra, Portugal

Global Challenges

- Global Challenges and the Future of Engineering Education (Uhomoibhi)
- Curriculum Development, Adapting Globalization
- The challenge of the Century (Gindesgaard)

Interdisciplinary Work and Changing Disciplinary Boundaries

• Coping with the changing discipline boundaries

Partnerships/Collaboration/Cooperation: with Industry and/or Research Centers with International Universities and Research Centers (or with National or International Entities)

- Best Practices for Industry-University Cooperation (Aung)
- International Cooperation for Enhancing Innovation in Research and Education (Aung)
- Education Programs in Research Centers and Consortia (Aung)
- Government academia interaction (Ilic)
- Promoting a Closer Partnership between Engineering Educations and Research Centres (Gindesgaard)

Global Engineering Practices

- Curriculum for Global Engineering Practices (Aung)
- Sustainability in Engineering Education and Research (Ilic/Uhomoibhi)
- The Bologna model, some early experiences and global issues (Ilic)
- Global networking in Engineering Education

Humanitarian Engineering (Skokan)

Entrepreneurship, Leadership and Management Skills for engineering students

- Entrepreneurship, Leadership and Management Education and Research Programs (Aung/Uhomoibhi/MBS).
- Innovation and Entrepreneurship in Engineering Educations

Professionalism, Ethics and Professional Development

- Professionalism and Ethics in Engineering Education (Uhomoibhi)
- Professional Development Courses and life long learning (Ilic)

Emerging Technologies

- Technology and Knowledge Transfer (Uhomoinhi)
- Addressing the emerging technologies in an Engineering Curriculum (Ilic)
- Technology and Society (Ilic)
- Technology Enhanced Engineering Education (Wagner)

e-tools, Virtual laboratories and Knowledge integration

- e-Tools, Virtual Laboratories and Knowledge Integration in Engineering Education (Uhomoibhi)
- Recent Developments and Advances in University Management Information Systems (Farana)

Innovative Engineering Curriculum

- Research and Education Assessment in Research Centers and Networks (Aung)
- Technical Research and Education (Ilic)
- Working at least one semester in a related company/enterprise (Gindesgaard)
- Curriculum Development and Practical Placement
- Problem Oriented Study Projects (Gindesgaard)
- Integrating Education Activities in Academic Research Centers (Aung)
 Engineering Education Policies and Practice Theory and Case Studies (Uhomoibhi)
- Providing Research Experiences for Students

Diversity and K-12

- Increasing the Participation in Industry, Education and Research of Minorities and Women in Engineering and Technology (Connolly)
- Involving engineering schools/universities in technology and science education for K-12 students (Duque)

(AK)

----Original Message----

From: Eduardo Montero [mailto:emontero@ubu.es]

Sent: Mon 12/18/2006 12:16 PM

Subject: Re: Proposed session/workshop topics for ICEE 2007. Coimbra (Portugal)

Dear All:

I agree with the list of themes proposed for ICEE 2007.

Eduardo Montero

Eduardo Montero García emontero@ubu.es Departamento de Ingeniería Electromecánica Escuela Politécnica Superior - Universidad de Burgos Avenida Cantabria s/n 09006 BURGOS (SPAIN)

(AL)

----Original Message----

From: Dr James Uhomoibhi [mailto:j.uhomoibhi@ulster.ac.uk]

Sent: Mon 12/18/2006 4:20 PM

Subject: RE: Proposed session/workshop topics for ICEE 2007. Coimbra (Portugal)

Dear Pat

Thanks again for pulling all the suggestions together in the respective sections as contained in your latest file. I feel the document with the list of sessions, homes in well on the diversity of topics and issues the conference aspires to address.

Regards James

Dr. James Uhomoibhi CPhys MInstP ILTM MBCS CITP Lecturer & Faculty E-Learning Coordinator Faculty of Engineering University of Ulster Shore Road, Newtownabbey Co. Antrim BT37 0QB Northern Ireland, UK

(AM)

----Original Message-----

From: Ramon Vazquez [mailto:reve@ece.uprm.edu]

Sent: Mon 12/18/2006 8:35 PM

To: Eduardo Montero

I also agreed. Ramon

(AN)

-----Original Message-----

From: Ian Benest on behalf of ian.benest@cs.york.ac.uk

Sent: Tue 12/19/2006 6:28 AM

To: safurtado@deec.uc.pt; Aung, Win; psfox@iupui.edu

Cc: Ian Benest

Subject: Proposed session/workshop topics for ICEE 2007. Coimbra (Portugal)

Carlos, Win, Patricia

Most people have said it all, but here are my comments:

I wonder if "Humanitarian Engineering" currently under "Global Engineering Practices" might be better under "Global Challenges".

Under "e-Tools, Virtual Laboratories..etc" might I add "Enriching the education experience" as a third bullet point.

Under "Diversity", might we include "disabled".

And "K-12" is not understood by me - and maybe I'm the only one - but might it be better titled, and more globally understood, as "School Outreach". Let us also be more open about this and have a bullet point expressing the desire for more students to apply to study engineering and how are we going to make engineering attractive to school children. The teachers also need educating as to what engineering is all about.

Now are these plenaries, invited speakers? In my area plenaries are 45/60 minute lectures given by an invited expert at the beginning and end of the day. I usually enjoy these. Then the rest of the half day might be on submitted papers on the theme introduced by the plenary speaker. I assume the ICEE2007 will not be like this? Just a thought.

I hope you all have a good Christmas and all the best for the New Year.

Ian

PS Can we have a single mail box that we can email to, and have it email our comments to all those on the list?

(AO)

----Original Message-----

From: Fox, Patricia S [mailto:psfox@iupui.edu]

Sent: Tue 12/19/2006 8:22 AM

To: ian.benest@cs.york.ac.uk; safurtado@deec.uc.pt; Aung, Win

Cc: Ian Benest

Subject: RE: Proposed session/workshop topics for ICEE 2007. Coimbra (Portugal)

Ian,

Great suggestions, especially the K-12 change to School Outreach. I turned over the workshop topic list to Carlos.

Best Regards,

Pat