



GIEE 2011
Gender and Interdisciplinary Education for Engineers
Formation interdisciplinaire des ingénieurs et problème du genre GIEE 2011

Les Cordeliers, Conference Centre, Université Paris VI
Paris, 23th – 24th June 2011

Does Interdisciplinary Education improve the gender balance and attract more young people in Engineering and Technology higher education?
Des formations d'ingénieur interdisciplinaires peuvent-elles attirer davantage les jeunes et en particulier les jeunes femmes ?

PROGRAMME

THURSDAY JUNE 23

9 h 30 **Opening session**
Pr Virginija Sidlauskiene, Helena Project Coordinator
Mrs Teresa Cuartero Lausin, European Commission, DG Research
Representative of French Ministry of Higher Education and Research

9 h 50 **Introduction to the conference**
Pr Jean MICHEL, Chair of the Scientific Committee

10 h **1st Key Note Session**
Chair : Pr Jean MICHEL

Pr Christelle Didier (UC Lille, EHESS, CNRS, France)
Pr Giuliano Augusti (Universita "La Sapienza" Roma 1, Italy)

11 h **Poster session and coffee**

11 h 30 **Session 1a**
Teaching and Learning, Contents and Cultures
Chair: Pr Mario Letelier (Universidad de Santiago, Chile)

Wächter Christine, Austria Klagenfurt University/IFZ Graz
Interdisciplinary Teaching and Learning for Diverse and Sustainable Engineering Education

Barnard Sarah, Barbara Bagilhole, Andrew Dainty, Tarek Hassan, United Kingdom, Loughborough University
Women in engineering in the UK: approaches to inclusion and engineering curriculum development

Sidlauskiene Virginija, Lithuania, Siauliai University
Influence of the perception of science on Engineering & Technologies study choices in Lithuania

Götschel Helene, Sweden, Germany, Uppsala University, TU Hamburg-Harburg
Gender and Science Studies Competence for Students in Engineering, Natural Sciences, and Science Education. The Project 'Degendering Science' at the University of Hamburg, Germany

Discussion

12 h 50 Lunch break

14 h **Poster session**

14 h 30 Session 1b
Teaching and Learning Contents and Cultures
Chair: Pr Hank Zandvoort (Delft University)

Dedic Helena, Tomas Jungert and Steven Rosenfield, Canada, Sweden, Vanier College, Concordia University, Linköping University
Roles that Gender, Systemizing and Teacher Support Play in STEM Education

Block Brit-Maren, Germany, Leuphana University of Lüneburg
Project-Mentoring in Engineering and Technology (ET) – a gender-sensitive teaching and learning module with interdisciplinary references

Badaloni Silvana, Sonia Brondi, Alberta Contarello, Italy, University of Padua
The appeal of innovation: New trends in STEM from a gender point of view

Godfroy Anne-Sophie, France, Université de Paris Est, Ecole Normale Supérieure de Cachan
Thinking Interdisciplinarity in Engineering Education: Challenges for Future Research

Discussion

15 h 45 **Poster session and coffee**

16 h 15 **Session 2**
Students' experiences
Chair : Natasha Van Hattum-Janssen, University of Minho, Portugal

Thaler Anita, Austria, IFZ Klagenfurt University
Interdisciplinarity – Students' Perception of Interdisciplinary Engineering Education in Europe

Wallace Michelle, Ian Lings, Neroli Sheldon, Roslyn Cameron, Australia, Southern Cross University, Queensland University of Technology
Female engineering students: career attractors

Stojilović Mirjana, Sonja Filiposka, Ana Krsteska, Ana Vidosavljević, Valentina Janev, Sanja Vranes, Republic of Serbia, Republic of Macedonia, University of Belgrade, Institute Mihajlo Pupin, Ss. Cyril and Methodius University
Students' perception of IT curricula and career opportunities in Serbia and Macedonia

Denis Ann B., Ruby Heap, Canada, University of Ottawa
Social relevance and interdisciplinarity in Canadian engineering education: Perceptions of female and male students

Discussion

17h.30 **Session of poster presentation**
Chair: Dr Marina Blagojevic, Altera MB Research Centre on Gender and Ethnicity, Serbia

17 h 45 **End of the 1st day**

FRIDAY JUNE 24

- 9 h 30 **2nd Key Note Session**
Chair: Pr Susanne Ihlen, TU München, Germany
- Pr Sue Rosser (Provost of the San Francisco State University, USA)
Pr Barbara Bagilhole (Loughborough University, UK)
- 10 h 30 **Discussion**
- 10 h 50 **Poster session and coffee**
- 11 h 15 **Session 3**
Other ways to attract more women
Chair : Pr Gièdre Purvaneckiene, Gender Studies Centre of Vilnius University, Lithuania
- Oechtering Veronika, Maya Schulte, Germany, University of Bremen
The Micropolitics of Disciplinary Summer Universities for Women
- Freitag Daniela, Birgit Hofstätter, Anita Thaler, Austria, IFZ/IFF, Alpen-Adria-Universität Klagenfurt
Women-only engineering education – a promising Austrian model initiative
- Ramsauer Nadja, Sylvia Manchen Spörri, Thea Weiss Sampietro, Switzerland, Zurich University of Applied Sciences, Winterthur
Technical Companies in Switzerland on the way to a corporate culture in line with gender equality
- Langfeldt Bettina, Anina Mischau, Germany, Helmut Schmidt University, University of the Federal Armed Forces Hamburg, Freie Universität Berlin
Make Engineering and Technology More Appealing to Women via Gender Competence as an Innovative Element of Teacher-Training in Mathematics
- Discussion**
- 12 h 40 **Lunch break**
- 14 h **Session 4**
Policies
Chair : Dr André Béraud, ECEPIE, INSA de Lyon, France
- Arrizabalaga Ezekiel, Araceli Gómez, Begoña Sánchez, Spain, Tecnalia Research & Innovation
Interdisciplinarity towards gender equality in engineering and technology education. Recommendations
- Haas Marita, Christina Keinert, Sabine T. Koeszegi, Eva Zedlacher, Austria, Vienna University of Technology, Institute of Management Science,
Breaking patterns: How opportunistic sponsorship and women's moral compass shape careers of female scientists
- Del Río Merino Mercedes, Salto-Weis Azevedo Isabel, Spain, Universidad Politécnica de Madrid
Women Presence in Engineering in Spain: Causes and Measures to Attract more Women. The case of the Polytechnic University of Madrid (UPM)
- Apel Rebecca, Carmen Leicht-Scholten, Andrea Wolfram, Germany, RWTH Aachen University

Changing the face of STEM: The example of computer science in Germany

Günther Elisabeth and Sabine T. Koeszegi, Austria, Vienna University of Technology
Gender Counts?! Analysis of Student Dropout at Vienna University of Technology

Discussion

- 15 h 40 **General Debate**
- 16 h 10 **Conclusions**
Pr Jean MICHEL, Chair of the Scientific Committee
- 16 h 25 **End of the conference.**

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