



([HTTP://MATERIALSWEEKEND.PL/](http://materialsweekend.pl/))



MATERIALS WEEKEND WARSAW 19÷20 SEPTEMBER 2015

## Tutorials

### General info:

E-MRS Fall Meeting 2015 ([http://www.emrs-strasbourg.com/index.php?option=com\\_content&task=view&id=13&Itemid=1662](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&id=13&Itemid=1662)) and FEMS EUROMAT 2015 (<http://www.euromat2015.fems.org/>) organise jointly tutorials for young participants of both conferences as a part of MaterialsWeekend (<http://materialsweekend.pl/>). PhD students from Young Scientists Workshop (<http://materialsweekend.pl/young-scientists-workshop/>) are encouraged to attend the tutorials.

Six tutorials are planned for mornings (9:00 – 12:00 max 12:30): 3 parallel tutorials on Saturday and 3 parallel tutorials on Sunday.

You can register for tutorials either at E-MRS Fall Meeting 2015 ([http://www.emrs-strasbourg.com/index.php?option=com\\_content&task=view&id=13&Itemid=1662](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&id=13&Itemid=1662)) or FEMS EUROMAT 2015 (<http://www.euromat2015.fems.org/>) or Young Scientists Workshop (<http://materialsweekend.pl/young-scientists-workshop/>). Please register only once at one of the three sites.

### Tutorial chairs:

- Prof. A. Lindsay Greer, University of Cambridge, UK (FEMS)
- Prof. Peter J. Wellmann, University of Erlangen, D (EMRS)

**Important note for attendees:**

Students of a master or PhD level course may earn up to **5 study credit points (5 ECTS)** when attending the tutorial weekend (see module descriptions for each tutorial). The credits may be accepted at the home University as if studies have been performed in the frame of an ERAMSUS or related exchange program.

**Saturday tutorials:**

**Energy Materials** (see: TutorialEnergy (<http://materialsweekend.pl/wp-content/uploads/2015/04/TutorialEnergy.docx>).docx )

chaired by Dr. Mikael Syväjärvi, University of Linköping, SE

- The old matter of new energy materials (Dr. Mikael Syväjärvi, University of Linköping, SE)
- Battery materials (Dr. Claus Daniel, Oak Ridge National Laboratory, USA)
- Photovoltaic materials – crystal growth of silicon for photovoltaics (Dr. Jochen FRIEDRICH; Fraunhofer IISB, D)
- Poster Session on “Energy Materials”

**Graphene** (see: TutorialGraphene (<http://materialsweekend.pl/wp-content/uploads/2015/04/TutorialGraphene.docx>).docx)

chaired by Prof. Vincenzo Palermo, CNR National Research Council, I

- Graphene Flagship – its past, present and future (Prof. Jari Kinaret, Chalmers University of Technology, SE)
- Graphene: from a research lab to the European Flagship (Dr. Ana Helman, European Science Foundation, Strasbourg, F)
- Graphene films growth technology (Prof. Wlodek Strupinski, ITME Institute of Electronic Materials Technology, PL)
- Poster Session on “Graphene” **<---- PLEASE ADD: Graphene research & development at BASF for industrial application (Dr. Kitty Cha, BASF SE, Ludwigshafen, D), 45 min**

**3D Characterization**

chaired by Prof. Frank Mücklich, University of Saarbrücken, D, and Prof. Alexander Rack, ESRF, F

- details to be published soon
- Poster Session on “3D Characterization”

**Sunday tutorials:**

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**Biomaterials** (see: TutorialBiomaterials (<http://materialsweekend.pl/wp-content/uploads/2015/04/TutorialBiomaterials.docx>).docx)

chaired by Prof. Aldo R. Boccaccini, University of Erlangen, D

- Bioactive materials and composites for tissue engineering and drug delivery (Prof. Aldo R. Boccaccini, University of Erlangen, D)
- Biofabrication of scaffolds for tissue engineering (Prof. Wojciech Swieszkowski, Warsaw Univ. of Technology, PL)
- Natural-based polymers in biomedical applications (Prof. João F. Mano, University of Minho, PT)
- Poster Session on “Biomaterials”

### **Materials Modelling (to be confirmed)**

chaired by Prof. Ingo Steinbach, University of Bochum, D, and Prof. James Elliott, University of Cambridge, UK, – to be confirmed

- details to be confirmed and published soon
- Poster Session on “Materials Modelling”

### **Transferring Technologies to Industry** (see TutorialTechnologyTransfer

(<http://materialsweekend.pl/wp-content/uploads/2015/04/TutorialTechnologyTransfer.docx>).docx)

chaired by Dr. George Vekinis, NCSR “Demokritos”, GR

- ~~• Effective Technology Transfer: from the Invention to the Innovation~~
- Technology commercialisation routes: licensing out vs joint venture vs start-up
- Unravelling the Gordian Knot: strategies for successful technological entrepreneurship
- ~~• Case studies in technology transfer~~

**PLEASE ADD:**

- 4 successes and a failure: Case studies in technology transfer
- 12 Case studies of commercialisation of a new material or system, to be prepared by students before hand, and presented over 5 minutes, concluding with “Lessons Learned”

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