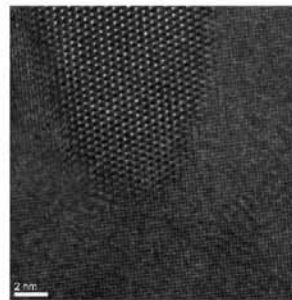




Stanislaw Gorczyca Workshop  
on Electron Microscopy:  
new TEM techniques  
Kraków, 1-4.10.2008



**AGH University of Science and Technology**  
Faculty of Metals Engineering and Industrial Computer Science  
Al. Mickiewicza 30 (building A2)  
30-059 Kraków, Poland

<http://www.tem.agh.edu.pl/esteem-workshop/>

Stanislaw Gorczyca Workshop on Electron Microscopy: new TEM techniques will be organized within **ESTEEM** (Enabling Science and Technology through European Electron Microscopy) project. ESTEEM is an IP3 project within the 6th Framework Programme of the European Commission. The major aim of this project is the dissemination of knowledge throughout the European microscopy community and the stimulation of scientists through the organization of Workshops at different levels. More informations can be found on the ESTEEM website - <http://esteem.ua.ac.be/>.

The Workshop on TEM new techniques to be held at the AGH University of Science and Technology in Kraków will be focused on modern TEM methods applied mainly to materials science and physics ([www.tem.agh.edu.pl/esteem-workshop/](http://www.tem.agh.edu.pl/esteem-workshop/))

### **Location**

The Workshop will take place in Kraków ([www.krakow.pl](http://www.krakow.pl)), the former capital of Poland, a fascinating city of culture and science, regarded as one of the most beautiful places in Central Europe.

The workshop will take place at AGH University of Science and Technology, Al. Mickiewicza 30, 30-059 Kraków, building A2, ground floor (Interfaculty Laboratory for Electron Microscopy, Department of Physical and Powder Metallurgy, Faculty of Metals Engineering and Industrial Computer Science).

Lunches will be served at the Krakus restaurant: 15 Reymonta St. (ul. Reymonta 15)- 5 minutes on foot from the AGH-UST.

### **Language**

The language of the Workshop is English.

### **Workshop proceedings**

Participants will receive the abstracts booklet and copies of the slides (or papers) presented by invited speakers. All participants are welcome to present posters and to discuss the everyday problems encountered in electron microscopy. The format of the abstract is available at: <http://www.tem.agh.edu.pl/esteem-workshop/>

Abstracts should be submitted to the Workshop secretary, Elzbieta Stepniowska ([stepniow@agh.edu.pl](mailto:stepniow@agh.edu.pl)) , by 15.06.2008.

### **Poster presentations**

Participants of the Workshop are invited to present posters. The available poster space is 100 cm x 70 cm (width x height, landscape format). Posters will be displayed during the whole Workshop.

### **Workshop fee**

The Workshop fee is 300 EUR. This covers attendance at lectures, workshop proceedings, reception, lunches and a social programme.

For ESTEEM members the Workshop fee and accommodation from 30.09 to 04.10.2008 in the AGH-UST guest-house "Sienkiewiczowka" or hotel "Antica" is free of charge.

### **Accommodation**

For the Workshop participants who are not ESTEEM partners we recommend to book the accommodation in hotels Antica ([www.antica.jordan.pl](http://www.antica.jordan.pl)), Cracovia ([www.orbis.pl](http://www.orbis.pl)) or Novotel Bronowice ([www.orbis.pl](http://www.orbis.pl)). The organizers have negotiated the reduced price when booked before 31<sup>st</sup> August 2008 with the annotation "**ESTEEM Workshop**". The list of other hotels in Kraków is given at the workshop web-site.

### **Registration**

Complete and send your registration form by e-mail to the Workshop secretary ([stepniow@agh.edu.pl](mailto:stepniow@agh.edu.pl)) before 15.05.2008. An e-mail confirmation message will be sent out to all admitted participants by 30.05.2008.

### **Bank account**

Payment of admitted participants should be in the form of a bank transfer for the account of the Polish Society for Microscopy. Organizations or persons should cover the transactions charges levied by bank.

#### **Account details:**

**Name:** Polskie Towarzystwo Mikroskopii

**Account number:** 87 124 045591111000054186598

**SWIFT/BIC:** PKO PL PW

**IBAN:** PL 87 124 045591111000054186598

### **Deadlines**

**15.05.2008** registration

**30.05.2008** admission announcement

**15.06.2008** abstract submission

**30.06.2008** registration fee payment

### **Organizing Committee**

Aleksandra Czyrska-Filemonowicz (chairperson)

Elzbieta Stepniowska and Beata Dubiel (secretaries), Grzegorz Cempura, Grzegorz Michta

### **Contact**

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<http://www.tem.agh.edu.pl/esteem-workshop/>

## WORKSHOP PROGRAMME

### Wednesday (1.10.2008)

Registration

Opening

- 1) "Quantitative HTREM"- G. van Tandeloo, University of Antwerp
- 2) "Aberration correction: current status and future prospects"- A. Kirkland, University of Oxford
- 3) "HRTEM of nanostructures"- J. Calvino, University of Cadiz
- 4) "Stress measurements in nanostructures"- M. Hytch, CEMES Toulouse

Reception

### Thursday (2.10.2008)

- 1) "FIB- modern tool for new techniques in material analysis"- H.J. Penkalla, Forschungszentrum Juelich
- 2) "The route to phase identification - accuracy issues in analytical TEM"- P.A. Buffat, EPFL Lausanne
- 3) "STEM-EELS and EFTEM for materials science"- A. Glotter, CNRS- Universite Paris Sud
- 4) "Application of HAADF-STEM in materials science"- M. Ceh, Jozef Stefan Institute, Ljubljana

Workshop dinner

### Friday (3.10.2008)

- 1) "Electron holography"- H. Lichte, University of Dresden
- 2) "Electron tomography. 3D imaging in biology and physical sciences" - Ch. Kuebel, Fraunhofer Institute for Manufacturing Technology and Applied Materials Research, Bremen
- 3) Training session 1: "Electron tomography"- Ch. Kuebel
- 4) Training session 2: "Measurements of superalloy microstructure parameters by EM methods"- B. Dubiel, AGH University of Science and Technology, Krakow

Posters, round table discussion

Closing

### Saturday (4.10.2008)

Laboratory visit. Discussion. Guided tour through Krakow