

FINAL ANNOUNCEMENT



European Microbeam Analysis Society

EMAS 2009

**11th
EUROPEAN WORKSHOP**

on

**MODERN DEVELOPMENTS
AND
APPLICATIONS
IN
MICROBEAM ANALYSIS**

10 to 14 May 2009
at the
Hotel Spa Faltom
Gdynia/Rumia, Gdansk, Poland

Scope of the workshop series

The primary aim of this series of Workshops is to assess the state of the art and reliability of microbeam analysis techniques.

The Workshops are organised in such a way as to maximise transfer of knowledge among the participants and to provide a comprehensive exhibition of the latest analytical equipment. The programme allows for adequate time and opportunities for participants to visit the technical exhibitions and interact with the manufacturers.

Previous Workshops in this series were held in Antwerp (1989), Dubrovnik (1991), Rimini (1993), St. Malo (1995), Torquay (1997), Konstanz (1999), Tampere (2001), Chiclana de la Frontera (2003), Florence (2005), and Antwerp (2007). They mainly dealt with electron (EPMA, Auger, EELS), ion (SIMS), and nuclear (RBS, NRA) microbeam methods.

The main topics of the **Eleventh Workshop** (EMAS 2009) are electron probe microanalysis, micro- and nanoanalysis in the natural resources industry, fast energy-dispersive X-ray spectrometry, electron backscatter diffraction, and three-dimensional microanalysis. Time will also be devoted to problem orientated application of microbeam analysis techniques in fields such as catalysts, composites, glass, sensors, and in cultural heritage, environment, forensics, geology, mineralogy, metallurgy, microelectronics, surfaces and interfaces, etc.

Round-table discussions

Our *round-table discussions* are panel discussions taking place at the end of each scientific session on a main topic. They are moderated by a leading expert, assisted by the invited speakers of the corresponding session.

The idea is to stimulate the exchange of information and experience among the participants on a number of important problems in microbeam techniques. Such activities need careful preparation, both with regard to structure and subjects. Therefore, we urge your co-operation by completing the discussion questionnaire on the reverse side of the registration form. If you have specific questions, these can also be mentioned in 'Other suggestions' on the questionnaire.

Brief presentations or contributions to the round-table discussions are encouraged. These may be illustrated by 1 or 2 transparencies (please contact the round-table chairperson at the beginning of the Workshop).

Posters

Poster contributions are welcome on subjects within the scope of the workshop (see Scope). The abstracts will be refereed by the International Scientific Committee and will be published, together with the text of the invited lectures, in the *Book of Tutorials and Abstracts* of the Workshop.

There will be three *Oral Poster Sessions* in which selected authors will be given 5 minutes to present the highlights of their poster using up to two transparencies. Those authors selected will be notified in the letter of acceptance of their poster contribution.

Authors have the opportunity to discuss their posters during the three poster sessions. Posters will be on display during the whole Workshop. Size of the display area: 1.50 m high by 1.00 m wide.

The best poster contributions will receive an EMAS Award, with a first prize of € 100 and second and third prizes of € 50.

Young scientists' session

One session is dedicated to giving young scientists (post-graduates and scientists under 30) the opportunity to present their work in a talk lasting 15 minutes including time for discussion. There will be six such presentations selected from the submitted abstracts. Those contributions selected by the International Scientific Committee will receive an EMAS Award of € 100. A bonus of € 50 will be awarded for the best presentation.

Young scientists wishing to be considered for this session should submit a written application together with their abstract. Recipients of an EMAS bursary are also eligible to apply.

Workshop language

The official language of the Workshop will be English.

Abstracts

Abstracts of poster contributions to be presented during the workshop should be sent on one A4 page. The authors should submit a camera-ready copy according to the following guidelines:

THE TITLE SHOULD BE TYPED IN CAPITALS, starting at the beginning of the line.

B. Epma, F. Rozet and Q.X. Ray
University of Monte Carlo, Centre for Quantitative X-ray Microanalysis
Monte Carlo, Monaco.

Page size: A4 (21 x 29.7 cm)
Margins: 3.0 cm all-round

Text: single line spacing, 12-pt. Times Roman typeface
no half-tone photographs, no references
Wordprocessor format: Word or WordPerfect, or Rich Text Format (RTF)

A hard copy of the abstract must reach the Workshop Secretariat before **30 November 2008**. In addition, an electronic version of the abstract must be sent as an e-mail attachment to the Workshop Secretariat. Authors will be notified of the acceptance of their poster(s) by **15 January 2009**.

A passport-style photograph of the presenting author should be included with the electronic version of the abstract (in JPEG- or TIFF-format). This will be reproduced in the *Book of Tutorials and Abstracts* to assist other participants in contacting the author during the Workshop.

Publication

Authors of accepted contributions will be invited to submit a manuscript for publication in a regular issue of an international journal, which will appear some months after the Workshop, customarily as a special issue dedicated to the Proceedings of the Workshop. All submitted papers will be reviewed according to the normal review procedure of the journal. Owing to limitations imposed by the publisher, the editors will apply a stringent selection procedure based on quality, diversity, and adherence to the manuscript preparation rules. Manuscripts have to be submitted using the electronic submission system of the journal.

EMAS bursaries

A number of EMAS grants are available to student members of the Society. They include a free student registration and free accommodation package for the duration of the Workshop (in a shared double room) in a hotel assigned by the Workshop. For further information, please contact the Workshop Secretariat. The conditions for the award of an EMAS bursary are as follows:

- the applicant must submit an abstract for a poster contribution;
- the applicant must be a young scientist (under 30) and a member of EMAS;
- a letter from the applicant's supervisor supporting the application must accompany the abstract.

The quality and relevance of the work presented in the abstract are the main criteria on which successful applications will be judged.

Homemade software

During the Workshop personal computers will be available to participants wishing to demonstrate their homemade software for micro- and nanobeam techniques. The computers are fully IBM-compatible. They are based on an Intel Core 2 Duo 2-GHz processor or equivalent, with diskette and DVD ROM drives, running MS Windows XP Professional, and with printing facilities. Upon request, a LINUX-based system can be arranged.

Exhibition

Ample space, immediately adjacent to the lecture and poster areas, will be available for the exhibition of instruments, equipment, leaflets and books. Interested companies are invited to contact the Workshop Secretariat.

Key dates

- * **30 November 2008** : submission of abstracts for poster presentations
 - * **15 January 2009** : notification of acceptance of poster contributions
 - * **01 March 2009** : early registration deadline
hotel accommodation deadline
 - * **10 May 2009** : submission of manuscripts for publication in the proceedings through the journal's electronic submission scheme
-

PROGRAMME

Sunday 10 May 2009

16.30 - 19.00 Registration

19.00 - 21.00 Informal buffet reception hosted by the International Scientific Committee and the Local Organising Committee

PROGRAMME

Monday 11 May 2009

-
- 09.00 Welcome and opening address
Clive T. WALKER (President of EMAS)
-
- 09.15 **75 years of Kossel patterns.**
Enrico LANGER (Dresden University of Technology, Institute for Solid State Physics, Dresden, Germany)
-
- 10.00 **State of the art in EBSD technology.**
Karsten KUNZE (Swiss Federal Institute of Technology, Electron Microscopy Centre, Zürich, Switzerland)
-
- 10.45 Coffee break / Exhibition visit
-
- 11.15 Round-table discussion:
* **Electron backscatter diffraction.**
chairpersons: Marek FARYNA (Polish Academy of Sciences,
Alex. Krupkowski Institute of Materials Science &
Metallurgy, Krakow, Poland)
-
- 12.00 Lunch break / Exhibition visit
-
- 13.30 **Presentation of new equipment and software by the exhibiting companies.**
chairpersons: Dirk VAN DER WAL (FEI Company, Eindhoven,
The Netherlands)
János LÁBÁR (Hungarian Academy of Sciences, Research
Institute for Technical Physics & Materials Science, Thin
Films Physics Laboratory, Budapest, Hungary)
-
- 15.30 Coffee break / Exhibition visit
-
- 16.00 **Overview of new tools to evaluate large EDS datasets.**
Hans DIJKSTRA (Thermo Fisher Scientific BV, Breda, The Netherlands)
-
- 16.45 **High speed and high sensitivity SEM-EDS for nanoparticle and surface analysis**
Ed BOYES (University of York, Department of Physics & Electronics,
York Jeol Nanocentre, York, Great Britain)
-
- 17.30 Round-table discussion:
* **Energy-dispersive X-ray spectrometry.**
chairperson: Xavier LLOVET (University of Barcelona, Scientific
Technical Services, Barcelona, Spain)
-

Social programme

All participants and accompanying persons are invited to the welcome buffet reception on Sunday evening. This informal get-together is hosted by the International Scientific Committee and the Local Organising Committee.

The Workshop dinner, on Wednesday evening, will be held at the Maritime Museum. The cost is included in the full registration fee but is extra for accompanying persons and students.

Registration fees

Participants are requested to complete and return the enclosed registration form together with their payment, preferably before 01 March 2009 to qualify for reduced rates.

The registration fee includes lunches, refreshment breaks, the workshop dinner (except with student registration), a copy of the Book of Tutorials and Abstracts containing the detailed programme, the text of the invited lectures and the abstracts of the poster presentations, and the Workshop Proceedings (except with student registration).

	early rate before March 1st	late rate after March 1st
<hr/>		
Workshop attendance:		
- Current EMAS members	€ 450.00	€ 550.00
- Registration + 2-year EMAS membership	€ 520.00	€ 620.00
- Non-member registration only	€ 600.00	€ 700.00
- student (student id. required) (without proceedings volume)		€ 200.00
Workshop dinner:		
for students, exhibitors, accompanying persons	€ 50.00	
Proceedings volume:		
for students, exhibitors, accompanying persons	€ 40.00	

Payment

Payments of the registration fee, without charges to the beneficiary, should be made to the European Microbeam Analysis Society. Payment can be made by:

- a) bank transfer to EMAS 2009 IBAN account no. BE72 9530 3981 3516, BIC/Swift code: CTBK BE BX, at the Citibank (Statielei 95, BE-2640 Mortsel, Belgium);
- b) a bank cheque in Euro, drawn on a Belgian bank, to the order of EMAS 2009 (attn. Luc Van't dack) and mailed to the workshop secretariat;
- c) credit cards: Visa, Mastercard, American Express (please complete and sign the relevant part on the registration form).

Cancellation

Refund of the registration fee (less € 50 administrative costs) will only be granted if notification of cancellation has reached the Workshop Secretariat before 15 April 2009. After this date, no refund will be made. Refunds will be processed after the Workshop.

Personal data

Personal information supplied to EMAS will be held on computer and may be used only for purposes connected with the activities of the European Microbeam Analysis Society.

Insurance

The organisers cannot be held responsible for any personal accident or damage to the property of the participants.

Accommodation

A number of rooms have been reserved at special rates in the workshop venue, Hotel Spa Faltom (4 star). The rate is per room per night and includes breakfast and all applicable taxes:

	single	double or twin
Hotel Spa Faltom	PLN 220	PLN 280

Bookings can be made by completing the hotel accommodation form and returning it to the hotel (Hotel Spa Faltom, ul. Grunwaldzka 7, PL-84230 Gdynia/Rumia, Poland / fax: +48-58-671.58.77). All rooms will be allocated on a "first come first served" basis. You will be contacted by the hotel to guarantee your room reservation (1st night deposit or credit card details).

Of course, participants are free to make their own accommodation arrangements at any other hotel.

Venue

Hotel Spa Faltom
ul. Grunwaldzka 7
PL-84230 Gdynia/Rumia, Poland

The 4-star Hotel Spa Faltom is located in the Gdynia suburb of Rumia, about 20 km north of the centre of Gdansk. The hotel has a restaurant, lobby bar, night club, bowling alley, and a Spa & Wellness centre with swimming pool, saunas, steam bath, gym, jacuzzis and fitness club.

The tri-city area, encompassing Gdansk, Sopot and Gdynia, has about 750,000 inhabitants and lies by the Baltic Sea.

The old town of Gdansk reveals a fractured history torn between Poland and Germany. Re-built, in its original style, following total devastation during WW II, it rates as one of Europe's most stunning old towns. Reminiscent of Amsterdam, the main street (ul. Długa) is lined with Burgher houses, while the cobbled streets departing from it are a hive of amber stores and bars. Running through the old town is the Motlawa River, historically the source of the city's wealth and perfect for an evening stroll.

Sopot is one of Poland's premier seaside resorts. Originally a small fishing village, the 17th and 18th century saw its development as an increasingly fashionable health resort. Several of Europe's monarchs built grand summer homes there. Today Sopot is known for its trendy cafés, bars and clubs.

In the early 1900's Gdynia evolved from a peaceful fishing village to a busy industrial port. While it lacks the charm of the old town of Gdansk or the hedonistic flavour of Sopot, it has some of the best restaurants of the region, as well as a number of lively bars and a beautiful coastline.

The weather in Gdansk in May

Northern Poland benefits from the proximity of the Baltic Sea. This brings relatively mild temperatures during the spring considering the latitude (daytime temperatures: 15 to 20 °C) but also rain showers.



How to get to the Workshop venue

- a) By air: the Gdansk Lech Walesa Airport (25 km from the workshop venue) has direct flights to/from Girona (ES), Birmingham, Liverpool, Luton and Stansted (GB), Charleroi (BE), Dortmund, Frankfurt, Hamburg and Munich (DE), Helsinki (FI), and Warsaw (PL).
Public bus line B connects the Gdansk airport to the city centre, taking about 40 minutes. Fast city trains (SKM) depart from Gdansk/Gdynia to Rumia every 15 minutes.
 - b) By train: there are a number of Intercity trains from/to Gdansk/Gdynia to/from all major Polish cities.
 - c) By car: the Hotel Spa Falton is located in Rumia, at Grunwaldzka Street 7 (this is the E28/6 road), about 8 km northwest of the Gdynia city centre. Gdansk can be reached from the west on the E28/S6 highway, from the south on the E75/S1 highway, and from the east on the E77/S5 highway.
-

International Scientific Committee

Michal Zelechower (Chairman)	<i>Poland</i>
Aleksandra Czyrska-Filemonowicz	<i>Poland</i>
Hans Dijkstra	<i>The Netherlands</i>
Olivier Dugne	<i>France</i>
Jan Kusinski	<i>Poland</i>
János Lábár	<i>Hungary</i>
Krystyna Lawniczak-Jablonska	<i>Poland</i>
Xavier Llovet	<i>Spain</i>
Michael B. Matthews	<i>Great Britain</i>
Silvia Richter	<i>Germany</i>
Romano Rinaldi	<i>Italy</i>
Krzysztof Sikorski	<i>Poland</i>
Stefaan Van Winckel	<i>Germany</i>
Clive T. Walker	<i>Germany</i>
Pawel Zieba	<i>Poland</i>

Local Organising Committee

Michal Zelechower (Chairman)
Maria Sozanska
Grzegorz Tylko
Luc Van't dack

Workshop Secretariat

EMAS Secretariat
University of Antwerp
Department of Chemistry, Research Group PLASMANT
Campus Drie Eiken, Universiteitsplein 1
BE-2610 Antwerp-Wilrijk
Belgium
telephone: +32-3-820.23.43
telex : +32-3-820.23.43
e-mail : Luc.Vantdack@ua.ac.be

Updated information on the workshop can be found at the EMAS 2009 website: <http://www.emas-web.net/>
