



### Rebirth of FEMS news

## Published Every Two Months

I am pleased to introduce this first issue of the new *FEMS news* which reverts to the stand-alone format used when it was first produced in 1991.

Since 1993 we have had the professionally produced journal *Euromaterials* containing scientific and technical articles in addition to news of FEMS activities. The editorial work and print has been provided free of charge by the publisher Wiley VCH, with distribution guaranteed by the FEMS member societies.

We are grateful to Wiley VCH for their support and in particular to Peter Gregory, Deborah Marik, Esther Levy and Rolf Kickuth who edited the publication. Peter Gregory has recently moved to the post of Director of Publishing at the Royal Society of Chemistry based in the UK and we wish him well. Rolf Kickuth will now be the independent publisher of *FEMS news*, and secretary of FEMS Peter Paul Schepp of DGM will be the editor.

As previously the objective of the publication will be to provide information about FEMS and details of



Alan Morrell: "We look forward to receiving your contributions."

member society activities. Its success will of course be dependent upon the input from FEMS members, and we look forward to receiving your contributions.

Following consultation with all FEMS member societies on the preferred method of distribution,

*FEMS news* will be published every two months in electronic form, accessible on website [www.fems.org](http://www.fems.org). It is however available for downloading and printing as a stand-alone document for distribution by member societies, or for placing in society publications either as an insert or printed pages.

This first issue is published concurrently with another conference in the successful FEMS Junior Euromat series being held in Lausanne, and it also contains information on Euromat 2003 and the recently elected FEMS



Left: The first FEMS news sheet from 1991. Right: The first *Euromaterials* magazine from 1994. Its last issue was published in winter 2001.



Lecturers who will be visiting various European locations during 2003. Future issues will cover, amongst other things, the Matnet project, FEMS Prizes and Medals and Executive and sub-committee activities.

The members of the FEMS Executive committee hope that you find *FEMS news* of interest. Any comments which you may have will be most welcome.

Alan Morrell  
President of FEMS

### September 2002 in Lausanne:

## 6th Birthday of JUNIOR EUROMAT

**JUNIOR EUROMAT** has reached its 6th birthday.

In the frame of this very successful series organised

for young materials scientists, the Federation is sponsoring this year's event from September 2-5 in Lausanne,

Switzerland. Roughly 350 papers from 30 countries have been submitted following our call for papers. JUNIOR

EUROMAT aims to provide opportunities to young materials scientists.

The purpose is to train them in international communication and obviously in meeting habits in a most authentic way. And they may learn to appreciate the warm welcome of a European Federation and of a host country which both provide the young participants with an excellent infrastructure at a truly affordable price.

Continued overleaf



# 18 Topical Areas

**EUROMAT 2003, the "European Congress on Advanced Materials and Processes", will be held from 1 to 5 September 2003 in Lausanne.**

It will take place on the sites of the Swiss Federal Institute of Technology and the University of Lausanne (Switzerland) on the banks of Lake Geneva. These provide an excellent environment for hosting quite a number of parallel sessions together with appropriate exhibition facilities.

Conference Chairs are J. Jupille for SF2M, CNRS/Saint-Gobain, Paris, F; M. Ruehle for DGM, MPI für Metallforschung, Stuttgart, D; W. Kurz for SVMT, EPFL, Lausanne, CH. The sponsor of the conference is the FEMS. In order to demonstrate an even more dynamic European charac-

ter, EUROMAT 2003 will be jointly organized by the French, the German and the Swiss materials societies.

Progress in engineering depends essentially on the availability and the intelligent use of materials. For many key industrial areas, Europe constitutes a prime place for the development of new materials and their applications. EUROMAT, the biennial meeting of the Federation of European Materials Societies with its 24 member societies sets out to become the most comprehensive European event demonstrating the wide range of materials science and technology.

The EUROMAT series has so far been organised in turn by the FEMS member societies and as such represents a showcase of the competence of the European materials

community. It has included the following venues:

- 1989: Aachen, D
- 1991: Cambridge, UK
- 1993: Paris, F
- 1995: Padua, I
- 1997: Maastricht, NL
- 1999: Munich, D
- 2001: Rimini, I

EUROMAT 2003 focusses primarily on fundamental new approaches and processing-related aspects for unconventional materials. At the same time, tailoring materials for applications with high innovation potential is addressed.

There is hardly a better opportunity for materials scientists in the European materials arena to present and discuss their work. The organisers invite prospective authors to submit an abstract relating to the topics; see [www.euromat2003.fems.org](http://www.euromat2003.fems.org) for further details. The deadline for submission of abstracts is **31 January 2003**.

management and sales or in a publishing house.

It goes without saying that JUNIOR EUROMAT has become the nucleus of a materials science junior network. This particularly includes students from the central and eastern European countries. Students from these countries are particularly motivated to

participate in JUNIOR EUROMAT and to meet their western counterparts.

There is every indication that JUNIOR EUROMAT 2002 will figure as the big junior event, a demonstration of the strength of our subject, a celebration of the junior Europe of materials.

*Peter Paul Schepp  
Secretary of FEMS*

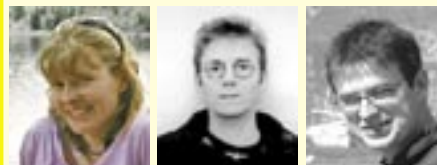
## FEMS Lecturers 2002

Each year a few promising young materials scientists – up to 40 years old – are chosen as FEMS Lecturers, which provides the lecturers with an opportunity to publicise their work by stimulating invitations for presenting their work at various science centres across Europe. This year's FEMS Lecturers are: Dr. Judith L. Driscoll (36), Cambridge, UK, Dr. Eric Maire (34), Lyon, France, and Dr. Thomas Pardoën (31), Louvain, Belgium.

The unique work of Judith Driscoll over the past ten years, at Imperial College, at Stanford University, and at Cambridge University, comprises the understanding of the materials chemistry of multi-component functional oxides, and the application of this knowledge to novel and improved materials processing. Cross-disciplinary collaborations were essential to the realisation of complex novel functional oxides.

The Ph.D. research of Eric Maire dealt with aluminium alloy matrix composites reinforced with SiC particles produced by the Osprey™ route. His main research activities at the GEMPPM laboratory of INSA de Lyon is currently the study of the effect of bulk damage in the behaviour of microheterogeneous materials with metal matrices.

Thomas Pardoën was awarded a Ph.D. from the Université catholique de Louvain in 1998 for the thesis on the micromechanics of ductile fracture in copper. After a two years post-doctoral visit at Harvard University, he is now in Louvain supervising researches and teaching in the field of the mechanics and micromechanics of materials and microsystems from both an experimental and modelling point of view.



*From left:  
Judith  
Driscoll,  
Eric Maire,  
Thomas  
Pardoën.*

## Members News

# Formation of IoM<sup>3</sup>

**In June the Institute of Materials (IoM) in the UK merged with the Institute of Mining and Metallurgy (IMM) to form an enlarged body to be called The Institute of Materials, Minerals and Mining (IoM<sup>3</sup>).**

Its headquarters is at 1 Carlton House Terrace, London. The new organisation will have 24 000 members and will represent more widely materials interests in metals, plastics, polymers and ce-

ramics, with increased emphasis on recycling, environmental matters



*B. Rickinson* and sustainability. The Chief executive will be Dr. Bernie Rickinson (pictured), and further details are available on a new website at [www.materials.org.uk](http://www.materials.org.uk) or from Dr. Nuna Staniaszek, Head of Communications on tel.: +44(0)20 7451 7320.

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A particular feature of JUNIOR EUROMAT is that industrial representatives speak about their profession in a typical materials environment: The work in a steel plant, the design of a gas turbine, the implementation of superconductors, the development of a detergent box, materials engineers in

## FEMS news

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