ber Professor Adérito Araújo, CMAF President Professor Luís Sanches, CMA Member Professor Fábio Chalub, Dom Luiz Institute Director Professor Pedro Miranda and the former CIM Presidents Professor José Perdigão Dias da Silva and Professor José Francisco Rodrigues.

During the Opening Ceremony, the President of CIM, together with Secretary Queiró, awarded the CIM Medals to the following distinguished recipients: JOSÉ PERDIGÃO DIAS DA SILVA, Universidade de Lisboa; L. TRABUCHO DE CAMPOS, Universidade Nova de Lisboa; JOAQUIM JOÃO JÚDICE, Universidade de Coimbra; JOSÉ FRANCISCO RODRIGUES, Universidade de Lisboa

The CIM Medals are awarded to mathematicians in recognition of meritorious contributions made during their scientific careers and to acknowledge their significant influence on the development of Mathematics in Portugal through affiliation with CIM.

In addition to those who participated in the opening ceremonies, CIM would like to thank the following keynote speakers and lecturers for their wonderful presentations: RICHARD JAMES, CIM-SPM Pedro Nunes Lecture University of Minnesota, USA; INÊS AZEVEDO, Carnegie Mellon University, USA; CHRISTOPHER K. R. T. JONES, University of North Carolina, USA; PEDRO MIRANDA, Universidade de Lisboa, Portugal ; KEITH PROMISLOW, Michigan State University, USA; RICHARD L. SMITH, University of North Carolina, USA; JOSÉ XAVIER, Universidade de Coimbra, Portugal; DAVID ZILBERMAN, University of California, Berkeley, USA

CIM also appreciates the 60 invited speakers for their enlightening presentations and sincerely thanks the session organizers for their effort, commitment and dedication that was so vital for the success of the events: IVETTE GOMES, Universidade de Lisboa; STÉPHANE LOUIS CLAIN, Universidade do Minho; CARLOS RAMOS, Universidade de Évora; MIGUEL CENTENO BRITO, Universidade de Lisboa; RAQUEL MENEZES, Universidade do Minho; JOSÉ LUÍS DOS SANTOS CARDOSO, Universidade de Trás-os-Montes e Alto Douro; MÁRIO GONZALEZ PEREIRA, Universidade de Trás-os-Montes e Alto Douro; PATRÍCIA GONÇALVES, Universidade do Minho; JOÃO GAMA, Universidade do Porto; DELFIM F. M. TORRES, Universidade de Aveiro; PAULO A. V. BORGES, Universidade dos Açores; JOÃO PAULO ALMEIDA, Instituto Politécnico de Bragança; ALBERTO ADREGO PINTO, Universidade do Porto ; NICO STOLLENWERK, Universidade de Lisboa; TÂNIA PINTO VARELA, Universidade Técnica de Lisboa; MARIA DA CONCEIÇÃO CARVALHO, Universidade de Lisboa; ANTÓNIO PACHECO PIRES, Universidade Técnica de Lisboa; MARGARIDA BRITO, Universidade do Porto; Sílvio M.A. GAMA, Universidade do Porto; JOÃO EMÍLIO ALMEIDA, Universidade do Porto.

In addition, CIM especially thanks IRENE FONSE-CA for her scientific guidance, ANTÓNIA TURKMAN for her assistance with the Calouste Gulbenkian Foundation, TELMO PARREIRA for organizing and compiling the proceedings, and PAULO MATEUS, PEDRO BALTAZAR and TELMO PARREIRA for developing and maintaining the conference website. CIM thanks the CGF staff and members of the local organizing committee (ALBERTO PINTO, FCUP; PAULO MATEUS, IST; PEDRO BALTAZAR, IST; TELMO PARREIRA, FCUP; ABDELRAHIM MOUSA, FCUP; JOÃO ALMEIDA, IPB; RENATO SOEIRO, FCUP; JOÃO COELHO, FCUP; BRUNO NETO, FCUP; FILIPE MARTINS, FCUP; JOANA BECKER, FCUP, RENATO FER-NANDES, FCUP, RICARDO CRUZ FCUP), as well as the Calouste Gulbenkian Foundation, for incredible hospitality, throughout the event and for providing the speakers and participants with the opportunity to experience the friendly ambiance in the beautiful city of Lisbon.

Finally, CIM would like to remind you that review and research articles related to the two conferences will be published in the first two volumes of the *CIM Series in Mathematical Sciences*, which will be published by Springer-Verlag. The editors, Jean Pierre Bourguignon, Rolf Jeltsch, Alberto Pinto and Marcelo Viana, invite conference participants to submit review and research articles for consideration to aapinto@fc.up.pt and info.mpe2013@ sqig.math.ist.utl.pt by December 31, 2013.

Alberto Adrego Pinto President of CIM

IIIUL-Universidade de Lisboa

Av. Prof. Gama Pinto, 2

1649-003 Lisboa

#### **Editors**

#### Address

Adérito Araújo (alma@mat.uc.pt) António Fernandes (amfern@math.ist.utl.pt) Sílvio Gama (smgama@fc.up.pt)

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# Coming Events



#### **92nd European Study Group with Industry 2012** May, 6–10, 2013

ISEC—Institute of Engineering, Polytechnic of Coimbra, Coimbra—Portugal http://dfm.isec.pt/esgi92/

The 92nd European Study Group with Industry will be held from May 6 to May 10 2013 at ISEC (http://www.isec.pt/), the Coimbra Institute of Engineering, Polytechnic of Coimbra, Portugal, organized by the Department of Mathematics and Physics, ISEC-DMF (http://www.dfm.isec.pt/) and LCM – Laboratory for Computational Mathematics (http://www. uc.pt/uid/lcm) of Centre for Mathematics of the University of Coimbra (https://cmuc.mat.uc.pt/rdonweb/). This meeting is part of the series of European Study Groups and will count with the participation of several European experts with a large experience in this type of events. The purpose of these meetings is to strengthen the links between Mathematics and Industry by using Mathematics to tackle industrial problems, which are proposed by industrial partners.

More information on Portuguese Study Groups is available at http://www.ciul.ul.pt/~freitas/esgip.html, while general information on study groups and related aspects is available at the International Study Groups website (http://www. maths-in-industry.org), the Smith Institute (http://www.smithinst.ac.uk) and the European Consortium for Mathematics in Industry (http://www.ecmi-indmath.org/info/events.php).



#### Ist Portuguese Meeting on Mathematics for Industry 6th to 8th June 2013

Faculdade de Ciências da Universidade do Porto Rua do Campo Alegre, 687, 4169-007 Porto Portugal http://cmup.fc.up.pt/cmup/apmind/meeting2013/

The Portuguese Meetings on Mathematics for Industry will give sequence to Porto Meetings on the same topic. To view previous versions please see

http://cmup.fc.up.pt/cmup/apmind/meeting2013/

The purpose of this meeting is to focus the attention on the many and varied opportunities to promote applications of mathematics to industrial problems. Its major objectives are:

- Development and encouragement of industrial and academic collaboration, facilitating contacts between academic, industrial, business and finance users of mathematics
- Through "bridging the industrial/academic barrier" these meetings will provide opportunities to present successful collaborations and to elaborate elements such as technology transfer, differing vocabularies

and goals, nurturing of contacts and resolution of issues.

• To attract undergraduate students to distinctive and relevant formation profiles, motivate them during their study, and advance their personal training in Mathematics and its Applications to Industry, Finance, etc.

The meeting will be focused on short courses, of three onehour lectures each, given by invited distinguished researchers, which are supplemented by contributed short talks by other participants and posters of case studies. This edition is especially dedicated to two main themes:

- Optimization and Financial Mathematics
- Mathematical Epidemiology

Special participation of members of the Analytics & Decision Models Area, Millennium bcp/Banco Comercial Português, SA.

The meeting is promoted by APMInd (Portuguese Association of Mathematics for Industry: http://cmup.fc.up.pt/ cmup/apmind/) as one of the activities of both GEMAC (Gabinete de Estatística, Modelação e Aplicações Computacionais: http://cmup.fc.up.pt/cmup/gemac/) and Master course in Mathematical Engineering (http://www.fc.up.pt/dmat/engmat/).

### **An Interview**

## with the Scientific Committee members of the **Iberian Meeting on Numerical Semigroups** Vila Real 2012

by Manuel Delgado [CMUP and DM-FCUP, University of Porto] and Pedro García Sánchez [Dep. Álgebra, University of Granada]

By the occasion of the Iberian Meeting on Numerical Semigroups -- Vila Real 2012, that held at the UTAD, from the 18th to the 20th of July, we posed some questions to the members of the Scientific Committee. These are Valentina Barucci, from the Università di Roma La Sapienza; José Carlos Rosales, from the Universidad de Granada; Ralf Fröberg, from the Stockholms Universitet; and Scott Chapman, from the Sam Houston State University.

Valentina Barucci most cited work (with over 70 cites) on numerical semigroups is her book on maximality properties on numerical semigroups with applications to one-dimensional analytically irreducible local domains, which has been for years a dictionary between these two mathematical objects. Valentina gave a talk in this meeting on differential operators on semigroup rings. José Carlos Rosales wrote his thesis on numerical semigroups, and since then he wrote more

than a hundred papers on this and related topics.

Ralf Fröberg most famous paper on numerical semigroups is On numerical semigroups that used numerical semigroups to solve problems on one-dimensional local rings. This paper has been cited over 65 times. In this meeting he gave a talk showing that homological tools can be used to give elegant answers to questions arising in the study of numerical semigroups.

Scott Chapman uses numerical semigroups in the study of non-unique factorization invariants, and also in the study of ideal theory on semigroup rings. He is currently editor in chief of the American Mathematical Monthly.

