



10th ISAAC congress in Macau in summer 2015

**The congress takes place
August 8. Please spread
community.**



**in Macau 2015 August 2 to
this information within your**

Dear ISAAC members,

Dear All,

I am happy to invite you to attend the next ISAAC International Congress in Macau, 2-8 August 2015.

Participants are welcome to contribute to the Special Sessions, devoted to recent results in specific fields of interest. As in the preceding ISAAC meetings, the Special Sessions will give the opportunity to meet colleagues, to continue or start international collaborations.

Your participation and your own scientific contribution will be essential for the success of the Congress!

I look forward to meet you, and wish you a pleasant stay in Macau.

Yours,

Luigi Rodino,

ISAAC president



Organizing Committee:

- Jun Long Chen, Honorary Co-Chair of Local Organizing Committee (University of Macau)
- Yang Chen (University of Macau)
- Pei Dang (Secretary) (Macao University of Science and Technology)
- Jin-Yuan Du (Wuhan University)
- Kit Ian Kou (Secretary) (University of Macau)
- Tao Qian, Chair of Local Organizing Committee (University of Macau)

Plenary Speakers:

- Prof. Darren Crowdy, Imperial College London, d.crowdy@imperial.ac.uk
- Prof. Alan McIntosh, Australian National University, Canberra Alan.McIntosh@anu.edu.au
- Prof. Ngaiming Mok, The University of Hong Kong, nmok@hku.hk
- Prof. Yoshinori Morimoto, Kyoto University, Japan, morimoto@math.h.kyoto-u.ac.jp





- Prof. Zhong-Shan Ou-Yang, ITP, CAS, China, oy@itp.ac.cn
- Prof. Saburoou Saitoh, University of Aveiro, Portugal, saburoou.saitoh@gmail.com
- Prof. Winfried Sickel, University of Jena, Germany, winfried.sickel@uni-jena.de
- Prof. Dan Virgil Voiculescu, University of California, dvv@math.berkeley.edu
- Prof. Ya-Guang Wang, Shanghai Jiaotong University, ygwang@sjtu.edu.cn
- Prof. Karen Yagdjian, University of Texas-Pan American, yagdjian@utpa.edu
- Prof. Nguyen Dong Yen, Vietnam Academy of Science and Technology, Hanoi, ndyen@math.ac.vn
- Prof. Zhou Xiang-Yu, Chinese Academy of Sciences, Beijing, China, xyzhou@math.ac.cn

For more information (session, awards, accommodation, transportation, campus information) see:

<http://www.fst.umac.mo/conference/isaac2015/index.html>

In Memoriam Prof. Wen Guo Chun 29/09/1930 – 12/05/2014

Professor Wen was one of the leading mathematicians in China in the field of complex analytic methods for partial differential equations. As Professor at Peking University he soon after the end of the Chinese cultural revolution searched contact to western mathematicians and spent sabbaticals at FU Berlin and University of Delaware. Together with Prof. Lu Jianke, Prof. Lin Wei and others he regularly organized a series of conferences on integral equations and boundary value problems since the 80th of the last century at first just with Chinese but soon with international participants.

His scientific work is summarized in a special issue of Complex Variables and Elliptic Equations 51, nos. 8-11 (2006) in honour of his 75th birthday. Prof. Wen wrote more than 20 books. His last three papers have appeared posthumous this year in Complex Variables and Elliptic Equations 59, nos. 7-8 (July-August 2014).

Prof. Wen has joined ISAAC as life member in 2002.

Scientific report on the workshop "Complex and Harmonic Analysis" Holon, Israel, June 11-13, 2014



The Workshop "Complex Analysis and Harmonic Functions" was held in Holon Institute of Technology, Holon, Israel, June 11-13, 2014, and organized by Bar-Ilan University, Holon Institute of Technology and ORT Braude College of Engineering.

This event was a satellite meeting of the Second Joint International Meeting of the Israel Mathematical Union and American Mathematical Society which was held in Israel, June 16-19, 2014.





About 40 scientists from USA, UK, Italy and Israel participated at the workshop, which included 16 talks and one meeting for discussions of open problems.

The Scientific Committee aimed to provide a forum for discussions and exchange of new ideas and developments in Modern Analysis. The main topics included general problems of Complex Analysis, Harmonic Analysis, Quasiconformal mappings and Geometry.

For details browse: www.hit.ac.il/acc/golberga/CHA14/CHA14.html

The Workshop was supported by:

- The Gelbart Research Institute for the Mathematical Sciences of Bar-Ilan University
- Holon Institute of Technology
- The Galilee Research Centre for Applied Mathematics of ORT Braude College of Engineering
- ISAAC – International Society for Analysis, its Applications and Computation

Scientific Committee: Mark Agranovsky, Lawrence Zalcman (Bar-Ilan University), Anatoly Golberg, Eduard Yakubov (Holon Institute of Technology), Lavi Karp, David Shoikhet (ORT Braude College), and Mikhail Sodin (Tel-Aviv University)

17/07/2014

On behalf of the Organizers,
Anatoly Golberg

PDEs, Continuum Mechanics and Numerical Analysis A Conference in Honour of the 80th Anniversary of professor Ibrahim Aganovic

Dubrovnik, May 26-30, 2014

The conference took place at the Centre for Advanced Academic Studies, University of Zagreb - Dubrovnik. Some of the aims of the conference was to highlight the many contributions of Ibrahim Aganovic to continuum mechanics and related PDE's, to present development of the fields and also allow his many collaborators and colleagues to acknowledge his friendship.

Plenary speakers:

- Gregoire Allaire, Ecole Polytechnique, France
- Ansgar Jüngel, TU Wien, Austria
- Anna Marciniak-Czochra, University of Heidelberg, Germany
- Andro Mikelic, Université Lyon 1, France
- Felix Otto, Max Planck Institute for Mathematics in the Sciences in Leipzig, Germany
- Grigory Panasenko, Université de Saint-Etienne, France
- Andrey Piatnitski, Narvik Institute of Technology, Norway and Lebedev Physical Institute, Russia
- Stevan Pilipovic, University of Novi Sad, Serbia
- Kresimir Veselic, Fernuniversität Hagen, Germany





REPORT ON THE CONFERENCE
Days of Analysis in Novi Sad- DANS 2014
July 03 - 07, 2014, Novi Sad

The conference was organized in the honour of Professor Bogoljub Stankovic on the occasion of his 90th birthday. The meeting was organized with the aim of gathering mathematicians in order to establish fields of research of joint scientific interest.

The conference was held at the Department of Mathematics and Informatics, Faculty of Sciences, of Novi Sad University. It started on July 3 at 9am and ended on July 7 after the morning session.



It was organized by:

- Stevan Pilipović (University of Novi Sad)
- Nenad Teofanov (University of Novi Sad)
- Vladimir Kapustin (St. Petersburg Department of the Steklov Mathematical Institute)
- Nada Aleksić (Secretary, University of Novi Sad)

The scientific program of the conference consisted of 40-minute talks (invited lectures), 20-minute communications, and a poster session, all together 55 contributions.

Invited lectures:

- "Universality of accumulated spectrograms and polyanalytic ensembles" by Abreu, Daniel (Portugal),
- "One-scale variant of H-measures" by Antonić, Nenad (Croatia),
- "Viscoelasticity of real and complex fractional order" by Atanackovic, Teodor (Serbia),
- "Global wave front sets and Fourier integral operators of SG-type" by Coriasco, Sandro (Italy),
- "Operators on Hilbert C^* -modules" by Djordjevic, Dragan (Serbia),
- "Analysis on elliptic Hurwitz Spaces and Painleve VI equation" by Dragovic, Vladimir (Serbia),
- "On p-Adic Analysis and its Applications" by Dragovich, Branko (Serbia),
- "Airy type normal forms and global hypoellipticity for Shubin type operators" by Gramchev, Todor (Italy),
- "Further aspects of global hyperbolicity in spacetimes" by Hoermann, Guenther (Austria),
- "Some applications of Laplace transforms to analytic number theory" by Ivic, Aleksandar (Serbia),
- "Averaged wave operators on the singular spectrum" by Kapustin, Vladimir (Russian Federation),
- "Old and new on geodesics in low regularity" by Kunzinger, Michael (Austria),
- "Nonstandard quadratures of Gauss-Lobatto type and some applications" by Milovanovic, Gradimir (Serbia),
- "Modelling with stochastic Fourier integral operators" by Oberguggenberger, Michael (Austria),
- "Abel and Tauber theorems for the integral transformations of distributions and ultradistributions" by Pilipovic, Stevan (Serbia),
- "New applications of the Gelfand-Shilov functions" by Rodino, Luigi (Italy),
- "A regularisation approach to causality theory for non-smooth Lorentzian metrics" by Steinbauer, Roland (Austria),
- "On the duality principle in Gabor analysis" by Stoeva, Diana (Bulgaria),
- "Modulation spaces, harmonic analysis and pseudo-differential operators" by Toft, Joachim (Sweden)





COMPLEX ANALYSIS AND POTENTIAL THEORY with applications

Edited by *Tahir Aliyev Azeroğlu*, Gebze Institute of Technology, Gebze, Turkey; *Anatoly Golberg*, Holon Institute of Technology, Holon, Israel; *Sergei Rogosin*, Belarusian State University, Minsk, Belarus

Cambridge Scientific Publishers, 184 p., 2014
ISBN 978-1-908106-40-7 (paperback)

The book contains 15 articles of participants of two sessions: Complex Variables and Potential Theory and Complex-Analytic Methods for Applied Sciences at the 9th ISAAC Congress (August 5-9, 2013, Krakow, Poland). Main issue of these sessions were boundary value problems for harmonic, analytic, generalized analytic and monogenic functions in plane domains as well as in domains in higher-dimensional spaces. Questions on conformal and quasi-conformal mappings and approximation in complex domains were also of discussion. All discussed mathematical problems were motivated and applied to the study of particular models in mechanics of elasticity theory, composite materials, hydrodynamics, wave propagation and other problems of mathematical physics.

Most of the results of the papers collected in the volume have been presented in the congress. All submissions have been carefully refereed.

More information can be found at the web-site of the publisher:

www.cambridgescientificpublishers.com

The ISAAC/Complex Analysis and Potential Theory book is at press now. It would be available at a discount price to conference delegates/members of ISAAC. The request to get the book by the discount price (£ 30 + postage) should be addressed to Mrs. Janie Wardle (The Editor-in-Chief of Cambridge Scientific Publishers) via e-mail:

janie.wardle@cambridgescientificpublishers.com

In this request one has to mention his/her participation at the ISAAC Congress and/or ISAAC membership.

We introduce new members of ISAAC:

M. M. Rodrigues (Portugal): M. Manuela Rodrigues is Assistant Professor at University of Aveiro and she is member of the research center CIDMA (Center for Research & Development in Mathematics and Applications) of the Department of Mathematics of University of Aveiro (Portugal). She made her graduation in Mathematics at University of Coimbra, Master degree at University of Lisboa, Ph.D. at University of Aveiro, post-doc at University of Porto. Research Interests: Operators theory; Integral equations; Integral transforms; Reproducing kernel theory; fractional calculus; topography models for human cornea; special functions; PDEs and fractional differential equations from Mathematical Physics.

M. Rempel Ebert (Brazil): Marcelo Rempel Ebert is Assistant Professor at Department of Computing and Mathematics at University of Sao Paulo in Ribeirao Preto, Brazil. He received his Phd in 2005 and his research interests include a-priori estimates for Hyperbolic PDE's and applications to the study of global existence of small data solutions for semi-linear





problems. Since July/2014 he is staying at Technical University Bergakademie Freiberg, Germany, as one year postdoctoral research fellow.

A. Schmitt (Germany): Alexander Schmitt is professor for algebraic geometry and complex analysis at Freie Universität Berlin. He obtained his PhD under the supervision of Prof. Dr. Christian Okonek at the University of Zürich in 1996. He is working in complex algebraic and analytic geometry with emphasis on geometric invariant theory, moduli spaces of principal bundles with extra structure, topology of complex manifolds.

Y. Wang (P.R. China): Yufeng Wang, Male, Ph.D. of Mathematics, Associate Professor of School of Mathematics and Statistics, Wuhan University, P. R. China
Main research interest: boundary value problems in complex analysis and their applications

G. Mishuris (Wales, UK): G. Mishuris (UK) is a Professor of Mathematical Modelling at Aberystwyth University (Wales, UK) from 2007. He received his MSc (1982) and PhD (1985) degrees in Applied Mathematics from Leningrad (now St. Petersburg) State University and his DSc degree (1999) in Mechanics from Cracow University of Technology. Fellowships: Alexander von Humboldt (2000-2001, Germany), Liverhulme Trust (2004, UK), Marie Curie (2005-2007, UK). Visiting positions at Universities: Pachuca (Mexico), Maribor (Slovenia), Las Vegas (USA), Aveiro (Portugal), Rzeszow (Poland), Trento and Cagliari (Italy).

Coming Conferences

Paula Cerejeiras and Uwe Kähler are organizing:

Name: 20th European Intensive Course on Complex Analysis, its Generalizations and Applications

Location: University of Aveiro, Aveiro, Portugal

Date: March 16-27, 2015.

Description: The European Intensive Course on Complex Analysis, its Generalizations and Applications will commemorate its 20th edition in 2015.

This intensive course offers a total of 18 hours of lecture time of postgraduate level, with recognized experts introducing topics of high current interest, in an ambience which encourages participants to share ideas.

URL: <http://sweet.ua.pt/pceres/complex2015/Webpage/EICourse.html>

For more informations please contact the organizers

P. Cerejeiras - pceres(at)ua.pt

U. Kähler - ukaehler(at)ua.pt

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Paula Cerejeiras and Uwe Kähler are organizing:

Name: 17th Annual Workshop on Applications and Generalizations of Complex Analysis

Location: University of Aveiro, Aveiro, Portugal

Date: March 20-21, 2015.

Description: Intertwining the two weeks of the European Intensive Course on Complex Analysis, its Generalizations and Applications, it will take place the 17th Annual Workshop on Applications and Generalizations of Complex Analysis. This workshop aims to present recent advances in the field of continuous and discrete Clifford and Complex Analysis.





URL: <http://sweet.ua.pt/pceres/complex2015/Webpage/Workshop.html>

For more informations please contact the organizers

P. Cerejeiras - pceres(at)ua.pt

U. Kähler - ukaehler(at)ua.pt

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Paula Cerejeiras, Fabrizio Colombo and John Ryan are organizing a special session:

Name: Joint International Meeting of the AMS, EMS and SPM - special session "Clifford Analysis, Dirac Operators, and Operator Theory"

Location: University of Porto, Porto, Portugal

Date: June 10-13, 2015.

Description: This special session intends to gather experts working on various topics/methods related to Dirac operators, Operator Theory, Non-commutative harmonic analysis, and Clifford analysis in all its directions. The session aims to stimulate interaction and communication among the researchers working in related fields of Clifford analysis, and to disseminate the latest advances and new ideas in related area.

For more informations please contact the organizers

P. Cerejeiras - pceres(at)ua.pt

F. Colombo - fabrizio.colombo(at)polimi.it

J. Ryan - jryan(at)uark.edu

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Lavi Karp and Michael Reissig are organizing a special session to the theory of partial differential equations within:

Complex Analysis & Dynamical Systems VII

that will take place in Nahariya (Israel) in May 10-15 next year 2015.

The conference will emphasize different areas of Mathematical Analysis including Complex Analysis, Dynamical Systems, Geometric Function Theory, Hamiltonian Dynamics, Partial Differential equations, Harmonic Analysis, General Relativity and Einstein Equations. It will provide a venue for both established and junior scholars to interact with each other.

Further information can be found on: <http://www.braude.ac.il/conferences/cads7/>

Misprint in 2'nd Newsletter:

Our honorary president is R.P. Gilbert (US)



**Merry
Christmas
and
Happy
New Year
2015!**

