



## ISAAC Board Elections

### Congratulation to our new board members

G.R. Gilbert (US) Honorary President  
 L. Rodino (Italy) President  
 M. Reissig (Germany) Vice-President  
 M. Ruzhansky (UK) Former President  
 H. Begehr (Germany) Secretary and Treasurer  
 T. Qian (Macau) Organizer of 10<sup>th</sup> ISAAC congress  
 A. Golberg (Israel) Representative of SIG CVPT  
 T. Kalmenov (Kazakhstan) Representative of SIG SABV  
 St. Pilipovic (Serbia) Representative of SIG GF  
 Yu.M. Rappoport (Russia) Representative of SIG ITRK  
 S.V. Rogosin (Belarus) Representative of SIG CA  
 Irene Sabadini (Italy) Representative of SIG CQA  
 M. Sugimoto (Japan) Representative of SIG PDE  
 M.W. Wong (Canada) Representative of SIG PDO  
 O. Celebi (Turkey) Elected Member  
 M. Lanza de Cristoforis (Italy) Elected Member  
 M. Oberguggenberger (Austria) Elected Member  
 J. Toft (Sweden) Elected Member  
 V. Turunen (Finland) Elected Member  
 J. Wirth (Germany) Elected Member  
 M. Yamamoto (Japan) Elected Member

**We wish all the members of the new board successful activities for our ISAAC community.**

#### In Memoriam Prof. Lee Lorch

Professor Lee Lorch of York University, an honorary member inducted into ISAAC at the Toronto ISAAC Congress in 2003, passed away peacefully on February 28, 2014 morning at the age of 99. A description of his life-long achievements can be found in the Proceedings of the Toronto ISAAC Congress edited by Heinrich Begehr, Robert P. Gilbert, Martin Muldoon and M. W. Wong. A memorial celebration is being planned to be held on June 23, 2014 at York University and a conference in honor of Lee Lorch entitled "Analysis, Applications and Scientific Computations" is planned to be held at the Fields Institute for Research in Mathematical Sciences in the Fall of 2015.



#### TWO ASPECTS OF AMADE-2012

The series of International Conferences was initiated by Prof. Anatoly Kilbas (1948 – 2010), an active member of ISAAC and a member of ISAAC board. Several AMADE Conferences were organized by A. Kilbas and his colleagues in 1999, 2001, 2003, 2006, 2009. Since 2003 AMADE were held under the guidance of ISAAC. The 6<sup>th</sup> Conference in 2011, dedicated to the memory of Anatoly Kilbas, was financially supported by ISAAC Society.





The main organizer of the last two AMADE Conferences (in 2011, and in 2012) was Sergei Rogosin, an active member of ISAAC Board, co-organizer of the sessions “Complex-Analytic Methods in the Applied Sciences” at the last three ISAAC Congresses, one of the leaders of the SIG “Complex Analysis”. S.Rogosin is an internationally recognized expert in complex analysis, realizing several joint research projects with colleagues from Belarus, Germany, Italy, Lithuania, Poland, Portugal, Russia, Spain, United Kingdom and Ukraine. Nowadays the main fields of his research are the following: Boundary Value Problems for Analytic Functions, Integral Equations, Wavelet Analysis, Nonlinear Analysis, Free Boundary Value Problems, Geometric Functions Theory, Approximation Theory, Mechanics of Continuum Media, Composite Materials, Fractional Analysis, Differential Equations of Fractional Order. Sergei Rogosin is an author of more than 180 research publications.

The last conference AMADE-2012 has two aspects. On the one hand the scientific programme included as invited speakers Borukhov V.T., Burenkov V.I. , Glaeske H.-J., Kalitvin A.S., Kacinskaite R., Kisil V., Korzyuk V.I., Kovalev M.M., Kozhanov A.I., Laurincikas A., Leksin V.P., Loginov B.V., Lyakhov L.N., Mishuris G., Mityushev V., Panasenko G.P., Panov E.Yu., Pekarskii A.A., Rogosin S.V., Rutkauskas S., Savva V.A., Sadovskii A.P., Silvestrov V.V., Sitnik S.M., Yurchuk N.I., Yanovich L.A., Zelinsky Yu.B.

On the other hand the conference was dedicated to the celebration of the 60<sup>th</sup> birthday of Prof. Sergei Rogosin.

On the base of the plenary invited lectures the book of Proceedings of the AMADE-2012 has been published by Cambridge Scientific Publishers:

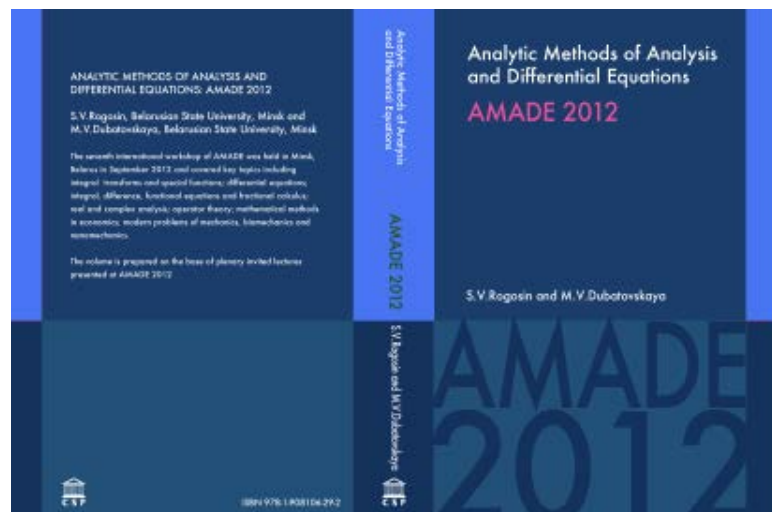
Analytic Methods of Analysis and Differential Equations: AMADE-2012 (M.V.Dubatovskaya, S.V.Rogosin, Eds.). Cambridge Scientific Publishers, 2014. – 222 p. ISBN 978-1-908106-29-2/Pbk

*Author:* M.Dubatovskaya

Secretary of Organizing Committee of AMADE-2012,  
Co-editor of the book AMADE-2012



Prof. Sergei Rogosin





## 19<sup>th</sup> European Intensive Course on Complex Analysis, its Generalizations and Applications (Prof. Kähler, University of Aveiro)



Group photo at the end of the workshop

The European Intensive Course on Complex Analysis, its Generalizations and Applications can look back to a long tradition. Originally established by the Galois network in 1995 it started as an intensive course of three weeks at the University of Coimbra with post-graduate students coming from Austria, Finland, Germany, Ireland, Italy, Netherlands, Portugal, and Spain. Lectures given by W. Bergweiler, J. Cnops, H. Malonek, P. Mellon, and W. Tutschke introduced students to topics which are usually not part of standard curricula in Mathematics, such as complex dynamics, several complex variables, complex analytic methods in partial differential

equations, and Clifford analysis. Its success owed much to the commitment of the local organizers in Portugal Jaime Carvalho e Silva and Helmuth Malonek. Although at the beginning it was planned only for three years its success afterwards has determined the organizers to continue. During the following years the courses have had many different lecturers. This list is long: R. Aron, C. Boyd, H. Begehr, F. Brackx, S. Bernstein, M. de Gosson, J. de Graaf, S. Dineen, A. Finkelstein, M. Fornasier, B. Forster, K. Guerlebeck, R. Heersink, G. Jank, V. Kisil, A. Kuijlaars, I. Laine, E. Lehman, G. Lopez Lagomasino, Y. Lyubarskii, P. Marcellan, O. Martio, P. Massopust, K. McLaughlin, J. Ryan, S. Siltanen, V. Soucek, W. Sproessig, L. von Wolfersdorf, A. Vourdas, E. Wegert, to cite a few. One would like to thank once more all the lecturers, some of which sadly are no longer with us. As can be seen from this list also the range of topics has increased over the time, although the original intention of lectures aiming at a post-graduate/post-doctorate level was always kept. Quite a few participants became later lecturers themselves, such as M. Mackey, M. Ruzhansky, or G. Teschke. One of the traditions of the intensive course is that lectures are given in a relaxed environment where both lecturers and students can maintain close contact. Also, many long lasting contacts were established between the students themselves during their participation in these courses.

This year we already witnessed its 19<sup>th</sup> event with lectures given by D. Alpay, F. Sommen, and J. Wirth. During the first week of the course J. Wirth gave an introduction to a new kind of symbol calculus for compact Lie groups in his lectures about „A rough guide to Non-Commutative Phase Space“. In the second week D. Alpay presented „Infinite dimensional analysis, non-commutative stochastic distributions and applications“, an introductory course to white noise spaces and stochastic processes, while F. Sommen gave the course „Introduction to Clifford analysis“.

Another traditional event is the Annual Workshop on Applications and Generalizations of Complex Analysis at the University of Aveiro. It began in 1998 intertwined with the Intensive Course and was intended as an opportunity for the students (who by the majority are PhD-students) to listen to current developments and new topics as well as to present their own work in front of an audience of experts in different fields. Since then it is gradually evolving into a full-scale workshop reuniting experts on several fields without losing its original propose. To reduce financial constrain and to allow anybody to attend this workshop there is a policy of taking no registration fee. This year workshop lasted two days with 18 speakers and more than 40 participants coming from many countries.





More information can be found at <http://sweet.ua.pt/ukaehler/Complex2014/>.

Once more, the current organizers would like to thank all the lecturers, speakers and participants who made this year's event a success. Be it by their lectures, talks or by sheer discussions on new topics they contribute with their enthusiasm for the overall high standards and quality of yet another happening of these events. We look forward to March next year as then we commemorate the 20<sup>th</sup> Edition of the European Intensive Course on Complex Analysis, its Generalizations and Applications.

### We introduce new members of ISAAC:

**M.D'Abbicco** (Italy): Marcello D'Abbicco is postdoctoral research fellow at University of Brescia in Italy, Department of Civil Engineering, Architecture, Land, Environment & Mathematics, Mathematical Division. He is also a research assistant at University of Bari - Italy, Department of Mathematics and post-doc at University of Sao Paulo in Brazil. During the last 5 years he spent a total of 8 months at Freiberg University in Germany.

**M.des Santos Ferreira** (Portugal): Milton dos Santos Ferreira is adjunct professor at School of Technology and Management of Polytechnic Institute of Leiria, Portugal. The area of scientific activity focuses on applications and generalizations of complex analysis and the application of Clifford algebras to problems in harmonic analysis. Current interests focus on the study of hyperbolic geometry, representation theory of groups, Mobius gyrogroups, and corresponding links to the theory of Gabor and wavelet analysis, with applications to the spherical surface and the ball.

**A.Galstian** (US): Anahit Galstian is Associate Professor at the Department of Mathematics at the University of Texas-Pan American in Edinburg in Texas. She received her PH.D. in Applied Mathematics in 2005 from the University of Cincinnati and Candidate of Sciences degree in Mathematics from Yerevan State University, Armenia in 1993. Her research interests include equations of mathematical physics, pseudo-differential operators and integral equations. Dr. Galstian has worked in addition at the Yerevan State University, Armenia, National Academy of Sciences of Armenia, University of Cincinnati, Kansas State University, University of Potsdam in Germany and University of Tsukuba in Japan.

**L.Karp** (Israel): Lavi Karp received Ph. D. at the Technion, was a post-doc at Weizman Institute of Science and a research fellow at the University of Stockholm. Currently he is head of the Department of Mathematics at ORT Braude College, Israel. His research interests are PDEs, in particular free boundary problems and general relativity. He was a guest of Potsdam University several times, as well as a guest of Mittag-Leffler institute, Stockholm. He collaborated with L. Caffarelli, H. S. Shapiro, H. Shahgholian as well as other mathematicians around the world.

**T.Ozawa** (Japan): Tohru Ozawa is Doctor of Science, RIMS, Kyoto University, 1990, Professor, Department of Applied Physics, Waseda University, 2008 -present, Professor, Department of Mathematics, Hokkaido University, 1995 - 2008, CNRS Research Associate, LPTHE Universite Paris-Sud, 1991-1992.

**T.Qian** (Macau): Tao Qian, PhD Peking University 1984, has major in harmonic analysis. His working areas include harmonic and complex analysis, Quaternionic and Clifford analysis, and signal analysis. His recent studies extensively use complex methods in harmonic





analysis. He is author or co-author of more than 150 publications of which more than 120 are journal publications. He is Distinguished Professor in Mathematics at University of Macau.

**N.F.L.Vieira** (Portugal) Nelson Vieira obtained his Graduation (2003), MSc (2005) and PhD (2009) in Mathematics at University of Aveiro. At the moment he 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). His current research topics are complex and hypercomplex analysis; fractional calculus; topography models for human cornea; special functions; PDEs and fractional differential equations from mathematical-physics.

**C.Viorel** (Romania): Viorel Catana, Degree : Ph.D. in Mathematics, Institute of Mathematics " Simion Stoilow " of the Romanian Academy, current position : Lecturer of Mathematics, affiliation : University Politehnica of Bucharest, Faculty of Applied Sciences, Department of Mathematics- Informatics.

**J.Wang** (China): Wang Ying was born in February 1984 in China. Finished the undergraduate study at Henan Normal University in 2005, and made graduate studies at Wuhan University (2005-2009) and Freie Universität Berlin (2009-2011). Dr. Wang received Ph.D degree from Freie Universität Berlin in 2011 and was appointed as an associate professor at Zhongnan University of Economics and Law in 2013.

**K.Yagdjian** (US): Karen Yagdjian is Professor at University of Texas-Pan American. Research Interests: Hyperbolic equations, pseudo-differential operators, Fourier integral operators theory, microlocal analysis, mathematical physics and mathematical cosmology. He is the author of a monograph and more than 70 papers. Doctor of Physical - Mathematical Sciences, Moscow State University, 1990, Moscow, Russia; Candidate of Physical - Mathematical Sciences, Tbilisi State University, 1979, Tbilisi, Georgia; Diploma in Mathematical Physics, Department of Physics, Yerevan State University, 1973, Yerevan, Armenia. Has held positions at Institute of Mathematics of National Academy of Sciences of Armenia; University of Tsukuba in Japan (three years), Visiting positions: University of Pisa, TU Bergakademie Freiberg; Potsdam University, Kansas State University, University of Cincinnati, Scuola Normale Superiore, Pisa.

We welcome our new members (are introduced in 3'rd Newsletter):

**A.Schmitt** (Germany)

**L. Cohen** (US)

### Coming Conferences

Irene Sabadini is co-organizing a conference that will take place in Milano in June, 23-27. The website is:

<http://www.mate.polimi.it/NAOA2014/>

Massimo Lanza de Cristoforis is organizing Mini-courses in Mathematical Analysis at the University of Padova in June, 23-27. The website is

The website is:

<http://minicourses.dmsa.unipd.it/>





Stevan Pilipovic is organizing Days of Analysis at the University of Novi Sad in July, 03-07.  
The website is:

[http://www.univie.ac.at/nuhag-php/event\\_NEW/make.php?event=dans14](http://www.univie.ac.at/nuhag-php/event_NEW/make.php?event=dans14)

The International Conference on Generalized Functions GF2014 will be held in  
Southampton, September 8 - September 2014.

The website is:

<https://www.ocs.soton.ac.uk/index.php/gf2014/gf2014>

This conference continues a long-standing tradition of international conferences on  
generalized functions gathering researchers working in all branches of generalized functions.  
Topics include, but are not limited to:

Distribution theory, hyperfunctions, algebras of generalized functions, integral transforms,  
linear and nonlinear differential equations, solvability, regularity, stochastic analysis,  
pseudo-differential operators and microlocal analysis,  
geometric problems and nonlinear distributional geometry,  
applications in mathematical modelling and mathematical physics, applied analysis,  
harmonic analysis, modulation spaces, time-frequency analysis.

The call for papers is open until June 2014.

GF2014 is organized by The International Association for Generalized Functions (IAGF),  
which was founded in April 2012. Among other activities, the association promotes research  
in the mathematical field of Generalized Functions through regular congresses. IAGF also  
supports and collaborates with the ISAAC Interest Group in Generalized Functions.

The website is:

<http://www.mat.univie.ac.at/~iagf/index.html>

### Announcement of other conferences

ICGTMP, Group30 - 30<sup>th</sup> International Colloquium on Group Theoretical Methods in Physics,  
July 14-18, Ghent University, Ghent, Belgium.

IWOTA 2014, July 14-18, VU University Amsterdam, The Netherlands

ICCA 10, 10<sup>th</sup> International Conference on Clifford Algebras and their Applications in  
Mathematical Physics, August 4-9, Tartu, Estonia.

**Please have already in mind the 10<sup>th</sup> ISAAC congress in Macau in summer 2015.**

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



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

