



ISAAC NEWS

Newsletter of the International Society of Analysis, Applications and Computations – January 2017

Dear ISAAC members,

During the autumn 2016, several meetings supported by ISAAC have taken place. The organization of the next ISAAC congress at Linnæus university in Sweden is also in progress.

Meetings since July supported by ISAAC: The following meetings were supported by ISAAC:

1. 24'ICFIDCAA-2016 24th International Conference on finite or infinite dimensional complex analysis and applications, August 22-26 2016, Anand International College of Engineering, Jaipur, India. Contact: 24icfidcaa2016@anandice.ac.in Webb: <http://anandice.ac.in/24icfidcaa-2016/>
2. 2016 International conference on generalized functions GF2016, September 5-9 2016, Centre for Advanced Academic Studies, Dubrovnik, Croatia. Contact: gf2016@math.hr Webb: <https://web.math.pmf.unizg.hr/gf2016/>
3. VI Russian-Armenian Conference on Mathematical Analysis, Mathematical Physics and Analytical Mechanics, September 11-16 2016, Rostov-on-Don, Russia. Webb: http://rus-arm.sfedu.ru/index_eng.html
4. Nonlinear Analysis and Applications, ICNAA 2016, September 18-24 2016, Samarkand State University, Samarkand, Uzbekistan.
5. 14th International Conference on Integral Methods in Science and Engineering, September 25-29 2016, University of Padua, Italy. Webb: <http://events.math.unipd.it/imse2016/>
6. Analysis and Applications, Indian Institute of Technology Roorke, Roorke, India, December 2016. Contact: Prof. Uday Singh. usingh2280@yahoo.co.in Webb: <http://www.iitr.ac.in/icmaa/2016/index.html>
7. International School-Conference "Sobolev Readings", Novosibirsk, December 18-22 2016. Contact: Prof. Demidenko demidenk@math.nsc.ru Webb: <http://math.nsc.ru/conference/sobolev/readings/2016/english/index.htm>

Planned meetings which are supported by ISAAC:

1. 3rd International Conference on Mathematical Computation (ICMC 2017), January 17-21 2017, Haldia Institute of Technology, Haldia, India.
Webb: <http://hithaldia.co.in/icmc2017/>

New life members since July:

Inessa Matveeva, Russia

Gennadii Demidenko, Russia

Shahla Molahajloo, Iran

James A. Vickers, England

You are very welcome to ISAAC.

Members passed away:

Professor **Yuri Rappoport** (1953 - 2016) died in Moscow on March 3, 2016 at a sudden heart attack. ISAAC community has lost an internationally known mathematician and active scientist in numerical methods for computation of special functions and integral transforms, a member of Organizing Committee and session organizer of many international conferences, a great colleague and friend.

Yuri Rappoport was born on June 6, 1953 in Moscow. He was a son of Moisey Rappoport (1912-1996) and Agnes Zhitlina (1918- 2010). His father Moisey Rappoport was a prominent specialist in the field of computing technique and computer applications, former head of the Computing Center at the Central Economics and Mathematics Institute (CEMI) of the Russian Academy of Sciences. In 1970 Yuri finished a secondary school in Moscow. He studied at the Moscow State University from 1970 till 1975.

During his post-graduate studies he started his research career as a student researcher and junior scientific staff member of the Computer Center of the Russian Academy of Sciences. In 1985 he defended his Ph.D thesis at the Moscow Physical Technical Institute.

Yuri Rappoport was working as a scientific staff member of the Computer Center of RAS till 1994. And at the same time he was a translator of the Scientific Information Center and a reviewer of the Institute of Scientific Information in Moscow.

Since 1994 Professor Yuri Rappoport was a senior scientific staff of the Institute Computer-Aided Design of the Russian Academy of Sciences, where he continued his research career as a mathematician. His contribution was highly recognized by Moscow (1998) and St. Petersburg (2004) Russian Governments. Yuri Rappoport was a recipient of the Medals of Honor.

Professor Rappoport was internationally known scientist. He was invited as a Fellow of the University P. and M. Curie, Paris, 1992 and was a grantee of the United States Civilian Research and Development Foundation, Arlington, 1997. His scientific activity was mainly related to the numerical methods and computations of special functions. Namely, he contributed to the effective computation of the Bessel functions and in 1979 published extended "Tables of the Modified Bessel Functions". Continuing to develop the numerical methods, he wrote a second book in 1991 "The Programs and Some Methods of the MacDonal'd's Function Computation", which became a reference book for many experts in special functions and their applications in mathematical physics. Professor Rappoport was among the earliest, starting to develop the theory of the modified Kontorovich-Lebedev transforms at the beginning of 1980th. He gave first sufficient conditions for the existence of these operators and created a method to compute numerically the so-called index integrals.

We lost an active scientist and a man with the great personality. We express deep condolences to all his colleagues and friends. He will always remain with us in our memory.

By:

Semyon Yakubovich
University of Porto
Porto, Portugal

The next ISAAC congress:

At: 11th ISAAC congress 2017 at Linnæus University, Växjö, Sweden.

The organization is going on (see the congress webb site

<https://lnu.se/en/research/conferences/isaac-2017/>

For example, it is now possible to registrar yourself.

Some issues:

1. Plenary speakers are now decided. They are:

- Nils Dencker, Lund University, Sweden
- Hans Feichtinger, University of Vienna, Austria
- Gerd Grubb, University of Copenhagen, Denmark
- Mats Gyllenberg, University of Helsinki, Finland

- Helge Holden, Norwegian University of Science and Technology, Trondheim, Norway
- Tuomas Hytönen, University of Helsinki, Finland
- Ari Laptev, Mittag-Leffler Institute, Stockholm, Sweden, and Imperial College London, United Kingdom
- Abdelhamid Meziani, Florida International University, USA
- Alberto Parmeggiani, University of Bologna, Italy
- Yoshihiro Sawano, Tokyo Metropolitan University, Japan
- Ragnar Sigurðsson, University of Iceland, Reykjavik, Iceland

2. Sessions of the congress: It is still possible to apply for organizing sessions. Please send an application to:

Torsten Lindström torsten.lindstrom@lnu.se

and

Joachim Toft joachim.toft@lnu.se

before January 31, 2017.

At the application, please include the following information:

- 2.1 The title of the session. A short note about the field of the session. (One sentence is enough.)
- 2.2 The session organizers, including affiliation and e-mail addresses.
- 2.3 Submit a list of possible session participants.
- 2.4 Inform whether the session is connected to an ISAAC special interest group or not.

3. Show up at the congress in good mode.

Hopefully you will be able to enjoy

- A lot of interesting talks
- Fruitful discussions and exchanges
- A nice social atmosphere
- Nice activities
- ... and finally ...



... some time for relaxing...

Växjö Photos: (The same as in the July 2016 News.)



Some pictures of Växjö. To the left: "Strandbjörket", near the lake Växjösjön.

Next page to the left: Teleborgs slott (Teleborg's castle).

Next page to the right: Night picture of a part of Växjösjön, near city center. In background, the two towers of Växjö cathedral.



Some announcements:

Professor **Alan McIntosh** died on August 9, 2016. He was plenary speaker at the International Macau Congress 2015.

/Luigi Rodino

From the AustMS secretary, Peter Stacey:

With great regret I inform members that Professor **Alan McIntosh** died on August 9, 2016. The following biography was prepared by **Neil Trudinger**.

After completing a BSc Hons., with the award of a University Medal, at the University of New England in 1962, Alan was a graduate student at the University of California at Berkeley from 1963 to 1966, completing his PhD in operator theory, under the supervision of Frantisek Wolf. During his studies at Berkeley he was greatly influenced by Tosio Kato and that association played a prominent part in his subsequent research career. After a postdoctoral year at The Institute for Advanced Study at Princeton he returned to Australia in 1967 to take up a position in the School of Mathematics and Physics at the newly established Macquarie University. In 1999 he moved to the Australian National University as a Professor in the Centre for Mathematics and its Applications in the School of Mathematical Sciences, (now called the Mathematical Sciences Institute), from which he retired in 2014.

Alan is particularly famous for his role in the resolutions of the Calderon conjecture on singular integrals and the Kato square root problem both of which have had a massive impact in harmonic analysis and partial differential equations. He will also be well remembered though for his abundant and natural friendliness with students and colleagues of all levels and the care and inspiration given to his graduate students and postdocs. His research achievements have also been recognised through election to the Australian Academy of Science in 1986, the award of Moyal Medal by Macquarie University in 2002 and the Hannan Medal by the Australian Academy of Science in 2015.

Alan is survived by his wife Evelina and children Debbie, Adrian, Keith and Jennifer.