

## Scientific Computing

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### CBC Talk on Infinity Computer - April 24, 2012

Professor Yaroslav D. Sergeyev from University of Calabria will visit Simula and give a talk on his invention - the Infinity Computer that is able to execute numerical calculations not only with finite but also with infinite and infinitesimal numbers. Sergeyev has been awarded a number of national and international awards including the Pythagoras International Prize in Mathematics, Lagrange Lecture in Turin, and the MAIK prize for the best scientific book published in Russian. The talk will be held in "Storstua" at Simula Research Laboratories, April 24 at 10:15.

Total number of participants: 19  
 Total number of guests outside of CBC: 12  
 Number of different nationalities represented: 6  
 Total number of speakers: 1  
 Total number of talks: 2

### Agenda

10:15 – 11:00 Introduction  
 11:00 – 11:15 Coffee/preliminary discussion  
 11:15 – 12:00 More on theory & applications  
 12:00 Lunch

The level of presentation does not require any specific knowledge and students will be able to follow, as well.

The talk is open for all employees at Simula, and other interested parties at all levels of expertise.

You can find more information about the new computational methodology and the Infinity Computer at the internet page: [www.theinfinitycomputer.com](http://www.theinfinitycomputer.com), and in this abstract.



### About the speaker:

Yaroslav D. Sergeyev is Distinguished Professor at the University of Calabria, Italy (professorship awarded by the Italian Government). He is also Professor (part-time contract) at N.I. Lobachevski Nizhni Novgorod State University, Russia and Affiliated Researcher at the Institute of High Performance Computing and Networking of the Italian National Research Council. He has got his Ph.D. from N.I. Lobachevski Nizhni Novgorod State University and his D.Sc. degree from M.V. Lomonosov State University, Moscow (this degree is Habilitation for Full Professorship in Russian universities). His research interests include numerical analysis, global optimization, infinity computing and calculus, set theory, number theory, fractals, parallel computing, and interval analysis.

Prof. Sergeyev has been awarded several national and international prizes (Pythagoras International Prize in Mathematics, Italy, 2010; Outstanding Achievement Award from the 2010 World Congress in Computer Science, Computer Engineering, and Applied Computing, USA; Lagrange Lecture, Turin University, Italy, 2010; MAIK Prize for the best scientific monograph published in Russian, Moscow, 2008, etc.). He has published more than 60 papers in the leading international journals, 4 books, and 4 patents (his complete list of publications contains almost 200 items). He is a member of editorial boards of four international journals and co-editor of three special issues. He has given more than 30 plenary and keynote lectures at prestigious international congresses and many times was a member of Scientific Committees of international congresses. He was Coordinator of numerous national and international research and educational projects. In particular, since 1994 he is Coordinator of the international research and educational program 'Italian-Russian University' and in 2011 he was Russian Chairman of the Plenary session of the Italian-Russian Rectors Congress. Software developed under his supervision is used in more than 40 countries of the world. Numerous magazines, newspapers, TV and radio channels have dedicated a lot of space to his research.

Detailed information: <http://si.deis.unical.it/~yaro/>

<b>What</b>	▪ Talk
<b>When</b>	Apr 24, 2012 from 10:15 AM to 12:15 PM
<b>Where</b>	Storstua @ Simula
<b>Contact Name</b>	Hans Petter Langtangen Bernardo Line deOliveira Christian Tarrou Gabriela Rutkowska Hans Petter Langtangen Ida Drøsdal Jie Xiang Johan Hake Johannes Ring Loyce Adams

<b>Attendees</b>	Margareth Adaa Ola Skavhaug Olav Lysne Randy LeVeque Tor Skeie Unknown guest #1 Unknown guest #2 Unknown guest #3 Xing Cai Yaroslav Sergeyev
<b>Add event to calendar</b>	 vCal  iCal