

Microsoft Research Connections Russia

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Celebrating 20 Years of Microsoft Research



Rick Rashid, chief research officer of Microsoft Research, makes a point while participating in a panel discussion at the internal employee celebration.

At Microsoft Research, we are celebrating 20 years of turning ideas into products that deliver wonderful things for people.

We advance the state of the art in computer science through exploration and new approaches to solve large, complex problems-tackling new areas no one has solved before.

<http://research.microsoft.com/en-us/um/redmond/events/20anniversary/Default.aspx>

Microsoft Research Connections

Vision

Work broadly with the academic and research community to foster innovation and improve lives around the world

Mission

- Foster research collaborations that advance the state of the art in computer science and scientific computing
- Accelerate scientific exploration and discovery with MS technologies
- Inspire the Leading and Emerging Computer and Research Scientists



MSR Connections in Russia

- **Collaborative research projects**
 - **Computer Vision Research** at Moscow State University in collaboration with MSR Cambridge Computer Vision Group - <http://graphics.cs.msu.ru/ru>
 - **Distributed Knowledge Authorization Language Research** Project at Steklov Mathematical Institute (Moscow) in collaboration with MSR RiSE Group - <http://dkal.codeplex.com>
 - **DOM API Testing** Using Formal Specifications. Joint research project at Institute of System Programming (ISP RAS, Moscow) in collaboration with MSR RiSE Group – <http://domapi.codeplex.com>
 - **Computational Mathematics and Biology Research** Project at ITMO (Saint-Petersburg) in collaboration with CoSBi (www.cosbi.eu)
- **Computer science events support**
- **Internships** - <http://research.microsoft.com/en-us/jobs/intern/>
- **MSR visitors support in Russia**

Finalized Projects in Russia

- **St. Petersburg State Polytechnic University, SPSPU**
 - **Dam:** time dependent CFD simulations to determine the structure of the flow around the gate section of the Dam, by Dr. Sergey Lupuleac
 - **FireEx:** quantitative prediction of the spray-flame interactions and conditions necessary and sufficient for flame suppression, by Prof. Alexander Snegirev
- **Moscow State University, MSU**
 - **Scientific Data Set Research** Project at Moscow State University by Dr. Sergey Berezin, Dr. Vassily Lyutsarev (MSRC) – <http://sds.codeplex.com>
- **Space Research Institute, IKI RAS**
 - **Short Term Solar Weather Forecast** – Dr. Anatoly Petrukovich (IKI), Dr. Pushmeet Kohli (MSRC)
 - **Reconstruction and Modeling of Boreal Forests** – Dr. Sergey Bartalev (IKI) and Computational Science group at MSRC
 - **Climate Induced Vegetation Changes** – Dr. Eugene Lupyan, Dr. Mikhail Zhizhin (IKI), Dr. Vassily Lyutsarev (MSRC)
 - **Localization of MS World Wide Telescope** – Dr. Mikhail Zhizhin, Dr. Yan Xu (MSR)

Microsoft Research Connections Internships and Faculty Programmes

- **Internships for PhD students and undergraduate students.** Registration is open 365 days a year, applications are constantly processed.
<http://research.microsoft.com/en-us/jobs/intern/>
- **Microsoft Research PhD Scholarship.** Annual call for registration.
<http://research.microsoft.com/en-us/collaboration/global/apply-europe.aspx>
- **MSR WIP Program.** Annual call for registration.
<http://research.microsoft.com/en-us/jobs/intern/russia.aspx>
- **Faculty Fellowship Programme.** Annual call for registration.
<http://research.microsoft.com/en-us/collaboration/awards/msrff.aspx>

MSR Connections Events in Russia

- **Microsoft Research Summer Schools**
 - On High-Performance Computing at Moscow State University (2009)
 - On Data Structures and Algorithms at Saint-Petersburg State Polytechnic University (2010)
 - On Computer Vision at Moscow State University (2011)
 - **MSR Summer School on Concurrency (deadline March 30!)**
<http://research.microsoft.com/en-us/events/rss2012/>
 - **MSR Computer Vision Contest**
<http://summerschool2011.graphicon.ru/ru/contest>
- **Supported Events**
 - Joint MSR-MSU-ISP RAS monthly workshop on Software Analysis and Construction Technologies (2009-2011)
 - SYRCoSE (Spring/Summer Young Researchers' Colloquium on Software Engineering, Institute of System Programming, RAS, 2010)
 - CSE Days (Computer Science Days in Ekaterinburg 2010)
 - RUSSIR (Russian Summer School in Information Retrieval 2009, 2010)
 - Wolfram Shulte Workshop on Software Verification, Institute of System Programming RAS, 2010

Information

- Microsoft Research web-site, <http://research.microsoft.com>
- Microsoft Research Connections EMEA web-site, <http://research.microsoft.com/en-us/collaboration/global/europe/>
- In case of questions about MSR and MSR Connections you can contact Fabrizio Gagliardi (MSR Connections Director EMEA) Fabrizio.Gagliardi@microsoft.com
Elena Pavlova (Research Program Administrator, Russia) v-elpavl@microsoft.com
In case of questions on Computer Vision Research you may also contact Olga Barinova v-olbari@microsoft.com
- We're in tight collaboration with RTO, DPE and PR divisions. Thus, MSR news and info appear at <http://ms4press.ru> blog, in DPE student and academic mailing and at <http://www.microsoft.com/ru-ru/student/>

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