Mikhail Fominykh, PhD

Personal information

Address:	Sem Sælands vei 7-9, NO-7491 Trondheim, Norway
Mobile phone:	(+47) 48603627
Email:	mikhail.fomihykh@ntnu.no
Homepage:	http://www.idi.ntnu.no/~fominykh/
Date of birth:	16.07.1984
Place of birth:	Yoshkar-Ola, Russia
Citizenship:	Russia
Marital status:	Single
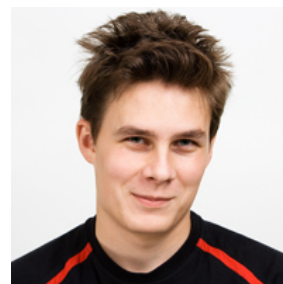
Current position

[2012–2014] Norwegian University of Science and Technology, Norway
- Postdoctoral research fellow at the Program for Learning with ICT
- Guest Research Scientist at the Department of Computer & Information Science

Education

[2007–2012] Norwegian University of Science and Technology, Norway
- PhD Research Fellow at Program for Learning with ICT
- PhD candidate at Department of Computer and Information Science
- Thesis title: "Collaborative work on 3D educational content" ✡ DiVA

[2001–2006] Volga State University of Technology, Russia (ex Mari State Technical University)
- Department of Computer Information Technology
- Average grade: 4.75 (min. passing grade 3, max. grade 5)
- Diploma Thesis: "Designing 3D Virtual Environment for Learning Arts"

[1996–2000] Art school, Russia
- Subjects: Graphics, Painting, Composition, Decorative Arts, History of Visual Art

Research Projects

[2011–2013] EU Life Long Learning research project "CoCreate" http://www.cocreat.eu/
- Responsibilities: 3D environment design, instructional design, research, tutoring and technical support

[2009–now] Research and Development project "vAcademia" http://vacademia.com/
- Responsibilities: Research, testing, and dissemination

[2011–now] Norwegian armed forces research project on learning and communication in 3D virtual worlds "Cultural Awareness in Military Operations"
- Responsibilities: 3D environment design, research, and technical support

[2010–2011] EEU research project on serious games "TARGET"
- Responsibilities: Organization of events in a 3D virtual world, web support
- http://www.reachyourtarget.org/

[2009–now] Research project "Virtual Campus of NTNU in Second Life"
- Responsibilities: Research, development, and maintenance
- http://slurl.com/secondlife/NTNU/

[2008–2009] EU cultural heritage project "Travel in Europe"
- Responsibilities: Data collection and texturing 3D models

[2007–2008] Research and Development project "Virtual City of Yoshkar-Ola" http://virtyola.ru/
- Responsibilities: Research, 3D-modelling, and texturing

[2007]   Research and Development project "Virtual Collaborative Learning Environments"
- Responsibilities: 3D modelling and texturing
- http://www.mmlab.ru/projects/collab/collab.shtml

[2006–2007]   Russian Ministry of Education project "E-learning resources for Chemistry"
- Responsibilities: Graphic and multimedia design
- http://fcior.edu.ru/about.page (in Russian only)

Industrial Experience

[2006–2007]   Multimedia System Laboratory, Volga State University of Technology, Russia
- Responsibilities: Research, project management, Graphic design, 3D modelling and texturing, programming
- http://www.mmlab.ru/

[2001–2007]   Several IT companies, Russia
- Responsibilities: Graphical design, 3D modelling, texturing, and programming

Awards and personal grants

[Apr 2014]   Personal grant to teach at the Tenth Joint European Summer School on Technology Enhanced Learning
- Granted by: TESEO lab, Norwegian University of Science and Technology
- http://www.prolearn-academy.org/Events/summer-school-2014

[Sep 2013]   Demo special recognition: Virtual Afghan Village as a Low-Cost Environment for Training Cultural Awareness in a Military Context
- Granted by: European Association of Technology Enhanced Learning
- http://ectel2013.cs.ucy.ac.cy/index.php/conference/papers-and-demos-awards

[Aug 2013]   Personal grant to conduct a trans-national access research project at the University College London, UK
- Granted by: VISIONAIR, project funded by the European Commission
- http://www.infra-visionair.eu/accepted-projects.html

[May 2013]   Audience Choice Award at the Ninth Joint European Summer School on Technology Enhanced Learning
- Granted by: European Association for Technology Enhanced Learning
- http://www.prolearn-academy.org/Events/summer-school-2013

[Mar 2013]   Personal grant to give lectures at Learning and Educational Technology Research Unit, University of Oulu, Finland
- Granted by: ERASMUS Teacher Mobility program
- http://ec.europa.eu/education/tools/llp_en.htm#tab-4

[May 2011]   Personal grant to participate in the Seventh Joint European Summer School on Technology Enhanced Learning
- Granted by: European Association for Technology Enhanced Learning
- http://www.prolearn-academy.org/Events/summer-school-2011

[Mar 2011]   Outstanding paper award: Virtual Research Arena: Presenting Research in 3D Virtual Environments
- Granted by: Association for the Advancement of Computing in Education
- http://www.editlib.org/j/GLEARN/v/2011/n/1/?show_awards_only=true

[Jun 2009]   Outstanding paper award: Virtual Campus in the Context of an educational Virtual City: a Case Study
- Granted by: Association for the Advancement of Computing in Education
- http://www.editlib.org/j/EDMEDIA/v/2009/n/1/?show_awards_only=true

Selected publications

Mikhail Fominykh and Ekaterina Prasolova-Førland: "Educational Visualizations in 3D Collaborative Virtual Environments: a Methodology," *International Journal of Interactive Technology and Smart Education (ITSE)*, Volume 9, issue 1, 2012, Emerald, ISSN: 1741-5659, pp. 33–45. doi>10.1108/17415651211228086

Mikhail Fominykh: "Creating and Retrieving Knowledge in 3D Virtual Worlds," in Ulrich Gehmann and Martin Reiche Eds., *Real Virtuality: About the Destruction and Multiplication of World*, 2014, Transcript, ISBN: 978-3-8376-2608-7, pp. 337–368.

Leif Martin Hokstad, Ekaterina Prasolova-Førland, and **Mikhail Fominykh**: "Collaborative Virtual Environments for Reflective Community Building at Work: the Case of TARGET," in Sean Goggins, Isa Jahnke and Volker Wulf Eds., *Computer-Supported Collaborative Learning at the Workplace*, 2013, Springer, ISBN: 978-1-4614-1739-2, pp. 167–183. doi>10.1007/978-1-4614-1740-8_8

Mikhail Morozov, Alexey Gerasimov, **Mikhail Fominykh**, and Andrey Smorkalov: "Asynchronous Immersive Classes in a 3D Virtual World: Extended Description of vAcademia," in Marina Gavrilova, Chih Jeng Kenneth Tan and Arjan Kuijper Eds., *Transactions on Computational Science (TCS)*, LNCS 7848, Issue XVI, 2013, Springer, ISBN: 978-3-642-38802-6. doi>10.1007/978-3-642-38803-3_5

Mikhail Fominykh, Ekaterina Prasolova-Førland, Leif Martin Hokstad, and Mikhail Morozov: "Repositories of Community Memory as Visualized Activities in 3D Virtual Worlds," in *the 47th Hawaii International Conference on System Sciences (HICSS),* Waikoloa, HI, USA, January 6–9, 2014, IEEE, ISBN: 978-1-4799-2504-9/14, pp. 678–687. doi>10.1109/HICSS.2014.90

Andrey Smorkalov, **Mikhail Fominykh**, and Mikhail Morozov: "Stream Processors Texture Generation Model for 3D Virtual Worlds: Learning Tools in vAcademia," in Qian Lin, Max Muhlhauser, and Phillip Sheu eds. *the 9th International Symposium on Multimedia (ISM)*, Anaheim, CA, USA, December 9–11, 2013, IEEE, ISBN: 978-0-7695-5140-1/13, pp. 17–24. doi> 17 10.1109/ISM.2013.13

Mikhail Fominykh, Ekaterina Prasolova-Førland, Sobah Abbas Petersen, and Monica Divitini: "Work and Learning across Boundaries: Artifacts, Discourses, and Processes in a University Course," in Pedro Antunes, Marco Aurélio Gerosa, Allan Sylvester, Julita Vassileva, and Gert-Jan Vreede eds. *the 19th International Conference on Collaboration and Technology (CRIWG)*, Wellington, New Zealand, October 30–November 1, 2013, Springer, Online ISBN: 978-3-642-41347-6, pp. 159–174. doi>10.1007/978-3-642-41347-6_12

Ekaterina Prasolova-Førland, **Mikhail Fominykh**, Ramin Darisiro, Anders I. Mørch, and David Hansen: "Preparing for International Operations in a Cyberworld: a Norwegian Army Example," in Xiaoyang Mao and Lichan Hong eds. *the 13th International Conference on Cyberworlds (CW)*, Yokohama, Japan, October 21–23, 2013, IEEE, ISBN: 978-1-4799-2245-1, pp. 163–170. doi>10.1109/CW.2013.47

Ekaterina Prasolova-Førland, **Mikhail Fominykh**, Ramin Darisiro, and Anders I. Mørch: "Training Cultural Awareness in Military Operations in a Virtual Afghan Village: A Methodology for Scenario Development," in Ralph H. Sprague, Jr. ed. *the 46th Hawaii International Conference on System Sciences (HICSS)*, Wailea, HI, USA, January 7–10, 2013, IEEE, ISBN: 978-1-4577-1925-7, pp. 903–912. doi>10.1109/HICSS.2013.571

Mikhail Fominykh, Ekaterina Prasolova-Førland, and Monica Divitini: "Learning Computer-Mediated Cooperation in 3D Visualization Projects," in Yuhua Luo ed. *the 9th International Conference on Cooperative Design, Visualization and Engineering (CDVE)*, Osaka, Japan, September 2–5, 2012, Springer, LNCS 7467, ISSN: 0302-9743, ISBN: 978-3-642-32608-0, pp. 65–72. doi>10.1007/978-3-642-32609-7_9

Active memberships in scientific program committees

ICALT 2014, member of the Track Program Committee Virtual Worlds in Education and Training
HCI International 2014, member of the Program Board Learning and Collaboration Technologies
KES STET 2014, member of the International Program Committee
SCITEED 2014, member of the Scientific Committee
Behaviour & Information Technology Journal, invited reviewer (2013)
SLACTIONS 2013, member of the Scientific Committee

Professional skills

Computer skills:
- Operating systems: Windows and Android
- Programming: C-based languages, Pascal-based languages
- 2D Graphics: Adobe Photoshop and Illustrator
- 3D Graphics: 3d Max, Maya, SketchUp, and Second Life

Languages:
- English: fluent
- Russian: native
- Norwegian (bokmål): advanced, qualified for university studies at NTNU

Other skills:
- Motivation and commitment
- Multidisciplinary competences and interests
- Communication and teamwork

Interests

Visual art, Photography, Graphics, and Animation
Guitar
Bicycle
Travelling