

DENIS KOROLEV

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EDUCATION

Moscow State Institute of Electronics and Mathematics (Technical University) Ph.D. in Technical Sciences	2007
Dissertation: Methods and Means of Development of University United Information Environment	
Moscow State Institute of Electronics and Mathematics (Technical University) Specialist: Quality Systems Manager	2002
Cranfield University (UK) Visiting Student	2002
TACIS TEMPUS project programme "Quality for the New Millenium" member, 90 days supervised research	
Moscow State Institute of Electronics and Mathematics (Technical University) Specialist: Computing Machines, Systems and Networks	2002
Lyceum of Information Technologies #1533 Computer Graphics and Animation	1996
Graduate work: Computer 2D animation for "ABC Lessons" pre-school training multimedia CD.	

AREAS OF CONCENTRATION:

MOOC methods and classic universities coexistence
 Project oriented education
 Computer and network aided HE Teaching
 Social and Computer networks
 Video Technologies and Interaction

TEACHING EXPERIENCE

Moscow Institute of Electronics and Mathematics at National Research University "Higher School of Economics" (former Moscow State Institute of Electronics and Mathematics, Technical University) miem.hse.ru	
MOOC teacher	2015—now
Developed a " Computer Graphics " MOOC course and performed it on Stepic.org.	
Lecturer — Computer Graphics	2013—now
Developed 8 weeks syllabus, overall course structure, grade system and administered lectures.	
Lecturer — Basics of Information-Communication Technologies	2013—2015
Developed 16 weeks syllabus and overall course structure, administered all grades.	
Moscow State Institute of Electronics and Mathematics (Technical University) miem.edu.ru	
Lecturer — Video Technologies	2006—2012
Developed whole syllabus and overall course structure and related courses, administered all grades.	
Lecturer — Computer Graphics	2002—2012
Developed 17 weeks syllabus, overall course structure, grade system and administered lectures.	

RELATED EXPERIENCE

Digital Video Technologies
divite.ru

CEO and Founder Invented and inspired, solved and supported. Managed papers and developers. Environmental Resources Management, Inc. erm.com	2008 – 2012
IT Specialist IT Support for Moscow and Almaty offices. Moskovskie Uchebniki Typography (Moscow Textbooks).	2002 – now
Designer Graphic design and technological adaptation for digital printing, personification and related workflow. Moskovskie Uchebniki Typography (Moscow Textbooks)	2000 – 2002
Multimedia Engineer Project assembly and computer graphics for “Mathematics” CD schoolbook. Zarealye	1999 – 2000
Computer Animation Specialist Computer 2D animation for the first Russian pre-school multimedia ABC issued on CD in 1996.	1995 – 1996

RECENT PUBLICATIONS AND PAPERS

Object-oriented approach to video editing and broadcasting to the Internet (eng) DAAAM International scientific book. Wien.	2014
Implementation of MOOC methods to university classroom courses (eng) Innovative Information Technologies: International scientific-practical conference. Praha. (with A. Pavolotstky)	2014
Approach to automation of videoregistration of speech-type performances (rus) International Scientific-Practical Conference Innovative Information Technologies	2013
Methods and tools for automation of multi-camera videoregistration (rus) Quality. Innovations. Education. 2012 #3	2012

RECENT AND CURRENT PROJECTS

AutoCamera Automatic portable camera capable to track and follow the lecturer, capture presentation, record, combine videostreams and live broadcast. System is based on PTZ-camera and Kinect.
Cloud Video Archive (current) Service for low-cost and convenient store and access to full-size video files based on existing cloud services. Being developed for small groups working remotely with large files.
Petabyte-in-a-Rack archive storage Cheap and dense HDD-based archive storage (54 3,5" HDDs in a 4U rack chassis) with power consumption, heat emission and noise level less than an electric kettle. For video archive needs.
Broadcast point Static setup of a videocamera and nettop that goes live and records full size video with one-touch, then uploads the record when camera is off. Developed and installed for extending the instant presence of TV news reporters in government and municipal buildings.
DV Video Studio Software video switcher, uncompressed live Wi-Fi wireless camera module with intercom, remote cameras and displays over Ethernet, all working with automobile powered inverter.

LANGUAGES

Russian — native language
English — speak fluently and read/write well.
Spanish — read with dictionary, studied in school, no further practice.