


Curriculum Vitae

<p>First name, Surname E-mail WWW Nationality Date and Place of birth</p>	<p>Ivan Viola ivan.viola@uib.no http://www.ii.uib.no/vis/team/viola/ Slovak 25.06.1977, Bratislava, Czechoslovakia</p>	
<p>Work Experience</p>	<p>Dates Occupation or position held Main activities and responsibilities Name and address of employer Type of business or sector</p>	
<p>Dates Occupation or position held Main activities and responsibilities Name and address of employer Type of business or sector</p>	<p>01.10.2008– Associate Professor research in the field of illustrative and medical visualization, teaching Department of Informatics, University of Bergen, Bergen, Norway, www.ii.uib.no/vis/ university-level education, research institution</p>	
<p>Dates Occupation or position held Main activities and responsibilities Name and address of employer Type of business or sector</p>	<p>01.08.2008– Scientific advisor scientific advisory in visualization technology, 20% position Christian Michelsen Research Computing, Bergen, Norway, www.cmr.no innovative software development with focus on oil&gas exploration</p>	
<p>Dates Occupation or position held Main activities and responsibilities Name and address of employer Type of business or sector</p>	<p>01.10.2006–30.09.2008 PostDoc research associate research in the field of illustrative and medical visualization, teaching Department of Informatics, University of Bergen, Bergen, Norway, www.ii.uib.no/vis/ university-level education, research institution</p>	
<p>Dates Occupation or position held Main activities and responsibilities Name and address of employer Type of business or sector</p>	<p>01.08.2005–30.09.2006 Project manager of ExVisation research project, www.cg.tuwien.ac.at/research/vis/exvisation/ project management, research in the field of expressive visualization, teaching Institute of Computer Graphics and Algorithms, Vienna University of Technology, Austria basic research in the area of scientific visualization</p>	
<p>Dates Occupation or position held Main activities and responsibilities Name and address of employer Type of business or sector</p>	<p>01.05.2002–31.07.2005 Research assistant of the ADAPT research project, www.cg.tuwien.ac.at/research/vis/adapt/ research work in the area of 3D medical visualization, teaching Institute of Computer Graphics and Algorithms, Vienna University of Technology, Austria applied research in 3D medical visualization</p>	
<p>Education</p>	<p>Dates Title of qualification awarded Dissertation title Supervisor Name and type of organisation International classification</p>	
<p>Dates Title of qualification awarded Master thesis title Supervisors Name and type of organisation International classification</p>	<p>11.07.2005 Doctor technicae (Dr. techn.) <i>Importance-Driven Expressive Visualization</i> Eduard Gröller Vienna University of Technology, Austria compatible with Doctor of Philosophy (PhD)</p>	
<p>Dates Title of qualification awarded Master thesis title Supervisors Name and type of organisation International classification</p>	<p>13.06.2002 Diplom-Ingenieur (Dipl.-Ing.) in Computer Sciences <i>Applications of Hardware-Accelerated Filtering in Computer Graphics</i> Eduard Gröller (VUT), Helwig Hauser and Markus Hadwiger (VRVis Research Center) Vienna University of Technology, Austria compatible with Master of Science (MSc)</p>	
<p>Professional Activities</p>	<ul style="list-style-type: none"> • computer graphics • scientific visualization • illustrative visualization 	
<p>Research Interests</p>		
<p>Research Projects</p>	<ul style="list-style-type: none"> • PhysioIllustration: Illustrative Visualization of Physiological Processes, basic research, project funded for 4 years (2012-2015) by NFR FRITEK (as backup funding for ERC Starting Grant 2010 finishers), Norway (8.775 MNOK~1.16 M€) www.ii.uib.no/vis/projects/physioillustration/ • GeoIllustrator: Illustrative Visualization of Geological Data and Models, basic and applied research project funded for 3 years (2010-2012), Statoil Academia Agreement, (2.6 MNOK~340 k€), www.ii.uib.no/vis/projects/geoillustrator/ • Illustrated Ultrasound (IllustraSound): Supporting Communication between Radiologist, Ultrasound Examiner, and Patient with Interactive Illustrative Visualization, basic and applied research project funded for 3 years (2009-2012) by NFR VerDIKT2009, Norway (8.3 MNOK~1.1 M€), www.ii.uib.no/vis/projects/illustrasound/ • Multimodal Visualization of PET/US Data: researcher exchange program between Germany (University of Muenster) and Norway, funded for 2 years by NFR DAADppp (110 kNOK~14 k€) • Expressive Visualization (ExVisation): Importance-Based Feature Enhancement in Volume Imaging, basic research project funded for 3 years (2006-2009) by FWF, Austria (213 k€), www.cg.tuwien.ac.at/research/vis/exvisation 	

<p><i>Teaching</i></p>	<p>University of Bergen:</p> <ul style="list-style-type: none"> • <i>Computer Graphics</i> (2006,2010,2011,2012) lecturing, www.ii.uib.no/vis/teaching/graphics/ • <i>Selected Topics in Visualization</i> (2008,2009,2010,2011,2012) organization and lecturing, www.ii.uib.no/vis/teaching/vis-special/ • <i>Seminar in Visualization</i> (2007,2008,2009,2010,2011,2012) organization, lecturing and supervision, www.ii.uib.no/vis/teaching/vis-seminar/ <p>Vienna University of Technology:</p> <ul style="list-style-type: none"> • <i>Seminar in Computer Graphics</i> (2005) organization and supervision, www.cg.tuwien.ac.at/courses/Seminar/WS2005/ • <i>Visualization Lab</i> (2002,2003) organization and supervision, http://www.cg.tuwien.ac.at/courses/Visualisierung/200(2 3)-200(3 4)/ <p>CEA/EDF/INRIA Computer Science Summer School:</p> <ul style="list-style-type: none"> • <i>User-Centric Scientific Visualization</i> (2011) guest lecturer
<p><i>Student Supervision</i></p>	<p>PhD Thesis</p> <ul style="list-style-type: none"> • <i>Illustrative Heart Ultrasound Visualization</i> (tentative title), Steve Ford, 2011- • <i>Illustrative Visualization of Geological Models</i> (tentative title), Mattia Natali, 2011- • <i>Illustrative Visualization of Geological Models</i> (tentative title), Endre Lidal, 2010- • <i>Illustrative Ultrasound Rendering</i> (tentative title), Veronika Šoltészová, 2009- • <i>Processing and Visualization of Remote Sensing LIDAR Imagery</i> (tentative title), Aleksandra Sima, 2009- • <i>Illustrative Ultrasound Interaction</i> (tentative title), Åsmund Birkeland, 2009- • <i>Visual Exploration of Human Physiology: Visualizing Perfusion, Blood Flow and Aging</i>, Paolo Angelelli, 2012 • <i>Quantitative Structural and Functional Brain Imaging in Cognitive Aging</i>, Martin Ystad, 2010 • <i>Multi-Aspect Visualization: Going from Linked Views to Integrated Views</i>, Jean-Paul Balabanian, 2010 <p>Master Thesis</p> <ul style="list-style-type: none"> • <i>Visualization of Ultrasound Data</i> (tentative title), Sondre Hisdal, 2010- • <i>Modeling of Geological Data</i> (tentative title), Morten Bendiksen, 2010- • <i>Visualization and Interaction with Medical Data in Immersive Environments</i>, Yngve Hammersland, 2008 • <i>View-Dependent Peel-Away Visualization for Volumetric Data</i>, Åsmund Birkeland, 2008 • <i>Physically Plausible Weather Visualization</i>, Gisle Nes, 2008 • <i>Importance-Driven Rendering in Interventional Imaging</i>, Master thesis, Martin Haidacher, 2007 • <i>HQ Volume Rendering with Resampling in Frequency Domain</i>, Master thesis, Martin Artner, 2005 <p>Computer Science Student Project</p> <ul style="list-style-type: none"> • <i>Mixed Volume/Mesh Rendering using Depth Peeling</i>, Gisle Nes, 2007 • <i>The Explorer - an Exploratory Plugin for VolumeShop</i>, Åsmund Birkeland, 2007 • <i>Importance Driven Volume Rendering</i>, Christopher Thurnher, Bernhard Pflugfelder, 2005 • <i>Multiscale Nodule Detection in CT Data</i>, Martin Haidacher, 2005 • <i>Feature-based Volume Visualization</i>, Bachelor project, Martin Haidacher, 2005
<p><i>Thesis Reviewer</i></p>	<p>PhD Thesis</p> <ul style="list-style-type: none"> • <i>Advanced Illumination and View-Selection Techniques for Volume Rendering and its Application to Medical Imaging</i>, Marc Ruiz, 2012 • <i>Feature Centric Volume Visualization</i>, Muhammad Muddassir Malik, 2009 • <i>Semantic Visualization Mapping for Volume Illustration</i>, Peter Rautek, 2009 • <i>LiveSync: Smart Linking of 2D and 3D Views in Medical Applications</i>, Peter Kohlmann, 2009 <p>Master Thesis</p> <ul style="list-style-type: none"> • <i>Visualization of Subsurface Grids in Octave</i>, Lars Jahr, Røine. 2012 • <i>Hardware-Accelerated Global Illumination by Image Space Photon Mapping</i>, Erik Bjønnes, 2011
<p><i>Conference Organization</i></p>	<p>EG/IEEE Symposium on Visualization EuroVis 2011 Organizational Chair Eurographics 2010 Poster Chair Session Chair IEEE Pacific Visualization 2010 Session Chair IEEE/EG Volume Graphics 2010 Session Chair IEEE Visualization 2009 Session Chair SCCG 2009 Organizer of IllustraVis09 gathering Co-organizer of NorVis07 gathering Local Organizer of Eurographics Workshop of Graphics Education 2006 Eurographics 2006 – student volunteers management Main organizer of CESCg 2004</p>
<p><i>Awards</i></p>	<p>Best Papers of SBIM 2012 Second Best Paper Award, SCCG 2012 Best Student Paper Award Graphics Interface 2010 Honorable Mention for Best Paper at the EG UK TPCG 2009 Best Paper Nomination IEEE Visualization 2004 Second Best Paper Award, SCCG 2004</p>

<i>Tutorial organization</i>	ACM SIGGRAPH Asia Course Applications of Information Theory in CG and Visualization (2011) IEEE VisWeek Tutorial Applications of Information Theory in Visualization (2011) Eurographics Tutorial on Applications of Information Theory to CG (2007) ACM SIGGRAPH Course Illustrative Visualization in Science and Medicine (2006) IEEE Visualization Tutorial on Illustrative Visualization (2005,2006,2007) Eurographics Tutorial on Illustrative Visualization (2005,2006,2008)
<i>Editor</i>	Computers & Graphics (2010), Special Issue on Illustrative Visualization, Guest Editor IEEE TVCG (2011), Search Committee for the Editor-in-Chief
<i>IPC Member</i>	EuroVis (2009,2010,2011), IEEE Visualization (2008,2009), IEEE Pacific Visualization (2011), EG VCBM (2010), EG Volume Graphics (2010), ISVC (2007,2008,2009), CGV (2007,2008), SCCG (2007,2008,2009,2010), CAe (2008,2010,2011,2012), GRAPP (2007,2008,2010), CACIC (2009,2010)
<i>Reviewing</i>	IEEE TVCG (2006,2008,2009,2010,2011,2012), IEEE Visualization (2004,2005,2006,2007,2008,2009,2010,2012), Eurographics (2005,2006,2007,2008,2010), EuroVis (VisSym) (2003,2004,2005,2006,2007,2008,2009,2010,2011,2012), CGF (2007,2008,2009,2010,2012), EG Volume Graphics (2005,2010), IEEE PacificVis (2008,2009,2010,2011,2012), VCBM (2008,2010), ACM SIGGRAPH Asia (2009), ACM Pacific Graphics (2012), ACM SIGGRAPH Sketches (2006), ACM TAP (2010), Computers and Graphics (2008,2009,2010), CADG (2008), VMV (2004,2005,2006), CAe (2005,2008,2010,2012), I3D (2005), Curac (2006), Graphite (2003), Sibgrapi (2004), VDA (2004), GRAPP (2006,2007,2010), ISVC (2007,2008,2009), CACIC (2009,2010), CGV (2007,2008), CGI (2007), WSCG (2003,2006), SCCG (2003,2007,2008,2009,2010), CESC (2003,2004)
<i>Memberships</i>	Norsigd Board Member IEEE Visualization and Graphics Technical Committee (VGTC) IEEE Computer Society ACM SIGGRAPH Eurographics

Status quo June 18, 2012

