Curriculum Vitae

Personal data

Name	**Prof.Ing. Václav Skala, CSc**.
Birth	11.5.1951, Plzeň, Czech Republic
Nationality	Czech
Home Address	Ke Kyjovu 3, CZ 322 00 Plzeň
Telefon	+420-37-763-**2473** (University of West Bohemia, Plzen)
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	http://Graphics.zcu.cz http://www.VaclavSkala.eu

Education

1996	**Ministry of Education and Sport of the Czech Republic** Full Professor for Informatics and Computer Science, Title: **Prof**.
1991	**University of West Bohemia, Plzen** (Pilsen), Faculty of Applied Sciences, Habilitation for Computer Science (Docent), Title: **Doc**.
1989	**Ministry of Education and Sport of the Czech Republic** Docent in Computer Science (Docent), Title: **Doc**.
1975-1981	**Czech Technical University, Praha** (Prague) Faculty of Electrical Engineering, doctoral study in Technical Cybernetics, Title: **CSc**. (equivalent of Ph.D.)
1970-1975	**Institute of Technology, Plzen** (Pilsen), Faculty of Electrical Engineering, Study field: Electronic Computers Title: **Ing. s vyznamenáním** (equivalent of MSc. with distinctions)
1966-1970	**Technical College, Plzen** (Pilsen), Field: Measuring and control Systems

Honours

2010	**Fellow of the Eurographics Association**, Eurographics Association
2010	Memorial Medal, University of West Bohemia
2006	Memorial Letter for Development of the University of West Bohemia
2001	Commemorative Medal for Research, University of West Bohemia

Boards

2011 - 2014	Member of the Scientific Board of the Faculty of Electrical Engineering and Informatics, VSB-Technical University, Ostrava

Employment

1978 - now	University of West Bohemia, Faculty of Applied Sciences, Plzen
2010 - 2013	VŠB-Technical University, Faculty of Electrical Engineering and Informatics, Ostrava
2010 - 2010	Ostrava University, Faculty of Natural Sciences, Ostrava
1997 - now	Head of the Center of Computer Graphics and Visualization, Department of Computer Science and Engineering
2006 - 2008	Head of Computer Graphics amd Multimedia System section
1994 - 2002	Dipro a.s. Praha, Borad of Advisors
1993 - 1994	Dipro a.s., Praha, CTO

Educational activities

Bc.studies
- Fundamentals of Computer Graphics

MSc. studies
- Algorithms and Computer Graphics
- Data Visualization
- Information Visualization

Supervisor of Ph.D. students (defended)

- Petrík,S.: Iso-surface extraction from time-varying data, 2011
- Hanák,I.: Accelerating digital hologram generation, 2009
- Váša,L.: Methods for size reduction of dynamic meshes, 2008
- Franc,M.: Methods for polygonal mesh simplification, 2007
- Uhlíř,K.: Radial Basis Function Application in Computer Graphics and Image Processing (in Czech), 2007
- Čermák,M: Methods for implicit surfaces polygonization, 2004
- Emelyanov,A.: Surface reconstruction from clouds of points, 2004
- Bui,D.H: Algorithms for line clipping and their complexity, 2002
- Kolingerová,I: Dual Representations and their Applications (in Czech), 1994

Stays abroad

2001-2006	- Microsoft Research Ltd., Hamerton College, Cambridge University, U.K., - University of Illes Baleares, Spain, - University of Las Palmas, Spain, - University of Pisa & Microsoft Research Ltd., Italy, - Microsoft Research Ltd.& St'Johns College, Cambridge University, U.K., - University of Santanders, Spain, - University of Uppsala, Sweden, - University of Gavle, Sweden, - Microsoft Research Ltd.& Queen's College, Cambridge University , U.K., - University of Chemnitz, Germany, - University of Lisbon, Portugal, - University of Bath, U.K., - The Queen's University of Belfast, U.K. - Brunel University, U.K. (10 months) - Moscow Institute of Energy, Moscow, Russia (3 months)

Selected projects

2005 - 2011   **National projects**:
- **VIRTUAL** – Virtual Research Center for Computer Graphics and Visualization, , National research project, Ministry of Education, Czech Republic
- **CPG** – Center (nationally wide) of Computer Graphic, Ministry of Education, Czech Republic

EU – STREPS:
- **MUTED** – Multi-User 3D Television Display, European Union

2005-2008   **Projects of European Union Network of Excellence**:
- **3DTV** – Integrated Three-Dimensional Television - Capture, Transmission and Display
- **INTUITION** – Network of Excellence on Virtual Reality and Virtual Environments Applications for Future Workspaces

EU – MATEO:
- **FlashPoM** – Optimisation of a laser-write process for low-cost low lead-time production of prototype microdevices for SMEs in the analytical chemistry and biomedical markets

1995 - 2004
- **GIFES**, Microsoft Research, USA
- **Shared Virtual Worlds**, CESNET,
- **CarPC** – Skoda-Auto, Volkswagen Group
- **Computer Graphics and Visualization with C#**, Microsoft Research Ltd., U.K.
- **Information Technologies**, Ministry of Education, Czech Republic
- **Computer Graphics and Visualization in parallel and distributed Environment,**
  project „250",Ministry of Education, Czech Republic
- **Platform for Animation and Virtual Reality**, NATO
- **Distributed CAD and Realistic Rendering**, NATO,

and others

Smaller projects:

2013 - 2015
- **NECPA:** Algorithm development for Computer Graphics and CAD/CAM systems, Research project with Shandong University, Jinan, China

2010 - 2012
- **Visual HCI: Human Computer Interaction**, Research project with Zhejiang University, Hangzhou, China

2013 - 2015
- **EURO: Eurographics and Computer Graphics Society**

2010 - 2012
- **IEEE-ACM: ACM SIGGRAPH a IEEE Computer Society Activities**

2009 - 2012
- **EURO: Eurographics Association and Computer Graphics Society Activities**

a další

Member of Editorial Boards

Currently
- **The Visual Computer**, ISSN 0178-2789, Springer Verlag, Springer, Germany – journal with an impact factor
- **Computers & Graphics**, ISSN 0097-8493, Elsevier, The Netherlands – journal with an impact factor
- **Machine Graphics and Vision**, ISSN 1230-0535, Polish Academy of Sciences – indexed by SCOPUS, Poland
- **The International Journal of Virtual Reality**, ISSN 1054-7460, IPI Press, USA
- **Egyptian Computer Science Journal**, Egypt, ISSN 1110-2586

Recently
- **Computer Graphics Forum**, ISSN 0167-7055, Blackwell Ltd., U.K until 2005

Organization of International Workshops and Conferences

1992 -	• **WSCG** – International conference on Computer Graphics, Visualization and Computer Vision http://www.wscg.cz
2009 -	• **GraVisMa** – International workshop Computer Graphics, Computer Vision and Mathematics http://www.GraVisMa.cz
2003 - 2006	• **.NET Technologies** – International workshop on.NET Technologies http://dotnet.zcu.cz

Editor in Chief of research journals and proceedings	• **Journal of WSCG** – indexed by SCOPUS, ISSN 1213-6964 • **Journal of .NET Technologies –** indexed by ISI, ISSN 1801-2108 • **WSCG proceedings**– indexed by Scopus and ISI • **GraVisMa proceedings**

Plzen 2014-08-15

Prof.Ing.Václav Skala, CSc.

Grants and Projects

ACTIVE projects	investor	Years
EURO:Activities in the frame of Eurographics Association and support of publications in the field of Computer Graphics, Visualization and Computer Vision http://EURO.zcu.cz	MSMT Czech Rep N°:LG13047	2013 - 2015
NECPA: Algorithm development for Computer Graphics and CAD/CAM systems - - China & Czech Research Collaboration http://NECPA.zcu.cz	MSMT Czech Rep N°: LH12181	2012 - 2015
FINISHED		
Visual-HCI: Human Computer Interaction - China & Czech Collaboration http://Visual-HCI.zcu.cz	MSMT Czech Rep N°: ME 10060	2010 - 2012
IEEE-ACM: ACM SIGGRAPH a IEEE Computer Society Activites http://IEEE-ACM.zcu.cz	MSMT Czech Rep N°: LA 10035	2010 - 2012
EURO - Eurographics Association and Computer Graphics Society Activities http://EURO.zcu.cz	MSMT Czech Rep N°: LA 09036	2009 - 2012
VIRTUAL - Virtual Research-Educational Center of Computer Graphics and Visualization http://VIRTUAL.zcu.cz	MSMT Czech Rep N°: 2C 06002	2006 - 2011
CPG - Center of Computer Graphics - National Network of Fundamental Research Centers http://LC-CPG.zcu.cz	MSMT Czech Rep. N°: LC 06008	2006 - 2010
MUTED - Multi-User 3D Television Display http://MUTED.zcu.cz/	EU STREPS N°: 034099	2006 - 2009
INTUITION - Network of Excellence on V**I**rtual Reality a**N**d Vir**TU**al Environments Appl**I**ca**TION**s for Future Workspaces http://intuition.zcu.cz	FP6-2003-IST-2 Network of Excellence N°:507248-2	2004 - 2008
3DTV - Integrated Three-Dimensional Television - Capture, Transmission and Display http://3DTV.zcu.cz	FP6-2003-IST-2 Network of Excellence N°:511568	2004 - 2008
FlashPoM - Optimisation of a laser-write process for low-cost low lead-time production of prototype microdevices for SMEs in the analytical chemistry and biomedical markets http://flashpom.zcu.cz/	EU - MATEO N°: 034099	2006 - 2007
Shared Virtual Worlds*	CESNET	2005
GIFES - Graphical Interfaces for Embedded Systems	Microsoft Research Ltd. (U.K.)	2003 - 2004
Laboratory for Computer Graphics*	MSMT CR - FR	2003
CarPC - Skoda-Auto Volswagen Group	Skoda-Auto, Volswagen Group	2002 - 2003
Vispar - Visualization and Parallel Processing, Bilateral project with Univ.of Hangzhou, China	MSMT CR 33-55	2002 - 2006
Computer Graphics and Visualization with C#	Microsoft Research Ltd. (U.K.)	2002 - 2003

SIBGRAPHI - Activities in the Frame of Information Technologies	MSMT CR LA 140	2002 - 2006
Information Technologies - sub-project: Computer Graphics and Data Visualization**	MSMT CR MSM235200005	2001 - 2004
International Collaboration - Eurographics & Computer Graphics International	MSMT CR LA 111	2000 - 2002
Bilaterall Scientific Collaboration with Greece and Slovenia	MSMT CR ME 298	2000-2001
Parallelization of Computer Processing*	Czech Academy of Sciences A2030801	1998 - 2002
Computer Graphics and Visualization in Parallel and Distributed Environment	MSMT CR VS 97 155	1997 - 2000
Computer Graphics and Data Visualization in Parallel and Distributed Environment	Hewlett Packard	1997 - 2000
Computer Graphics Algorithm and Distributed Processing using WWW, Czech-Greek Research Cooperation	MSMT CR ME 259	1999 - 2000
Algorithms for Computer Graphics, Computational geometry and Visualization in Parallel and Distributed Environment, Czech-Slovenian Research Cooperation	MSMT CR ME 257	1998 - 2000
PAVR / Platform for Animation and Virtual Reality	NATO project	1998 - 1999
Distributed CAD and Realistic Rendering	NATO project	1998 - 1999
Computer Graphics in Czech Republic - EUROGRAPHICS	MSMT CR - LA 036	1998 - 1999
Multimedia & Computer Graphics Creativity *	MSMT CR FR 71931/98	1998
Information Technologies Windows and Computer Graphics	MSMT CR FR 71080/95	1995
FUNDING notes		
* co-partner ** project VS 97155 continuation		
MSMT CR - Ministry of Education of the Czech Republic		