



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

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Nationality(-ies)

Date of birth

Gender

Salvi, Péter

Lágymányosi u. 14.
1111 Budapest
Hungary

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vukung@yahoo.com

Hungarian / Swiss

March 22, 1982

male



Education

2015–2016

Suzuki Foundation Scholarship at Shizuoka University, Japan — Research of multi-sided surfaces at the Miura–Usuki Realistic Modeling Laboratory

2005–2010

PhD Course, Eötvös Loránd University, Budapest, Hungary — “Numeric and Symbolic Calculus” program at the PhD School of Computer Science ⇒ PhD in Informatics (2013)

2006–2009

Government Scholarship at the University of Tokyo, Japan — Fairing-related research at the Fine Digital Engineering Suzuki Laboratory (RCAST)

2006

HSK Scholarship at the Beijing Language and Culture University, China — “Advanced Intensive Chinese” course

2000–2005

MSc Course, Eötvös Loránd University, Budapest, Hungary — “Software Designing Mathematician” program ⇒ MSc in Computer Science (2005)

2003

Scholarship of the Japan Foundation, Japan — “Study-Tour Award Program for Outstanding Students of Japanese”

Experience

2014–current

Senior lecturer at the Budapest University of Technology and Economics (BME), Hungary

2010–2013

Assistant lecturer at the Budapest University of Technology and Economics (BME), Hungary

2010–2011

Part-time consultant of the EU-funded program “Hungarian Customs and Finance Guard — in Chinese”

2009–2010

Research fellow at ShapEx Ltd., Hungary

2008

Part-time programmer at Mathematical Systems, Inc., Japan

2005–2006

Part-time researcher at Geomagic Hungary

1999–2003

Part-time programmer at the Computer and Automation Research Institute (SZTAKI), Hungary

Research topics & Important publications

Curve & surface fairing

- P. Salvi, H. Suzuki, T. Várady, Fast and Local Fairing of B-Spline Curves and Surfaces. In: Advances in Geometric Modeling and Processing, pp. 155–163, Springer, 2008.

- P. Salvi, T. Várady, Hierarchical Surface Fairing with Constraints. In: Proceedings of the Symposium on Solid and Physical Modeling, ACM, pp. 195–200, 2010.

n-sided surface representations

- T. Várady, A. Rockwood, P. Salvi, Transfinite Surface Interpolation over Irregular *n*-sided Domains. Computer Aided Design, Vol. 43(11), pp. 1330–1340, 2011.

- T. Várady, P. Salvi, A. Rockwood, Transfinite Surface Interpolation with Interior Control. Graphical Models, Vol. 74(6), pp. 311–320, 2012.

- P. Salvi, T. Várady, A. Rockwood, Ribbon-based Transfinite Surfaces. Computer Aided Geometric Design, Vol. 31(9), pp. 613–630, 2014.

- P. Salvi, T. Várady, G2 Surface Interpolation Over General Topology Curve Networks. Computer Graphics Forum, Vol. 33(7), pp. 151–160, 2014.

- T. Várady, P. Salvi, Gy. Karikó, A Multi-sided Bézier Patch with a Simple Control Structure. In: Computer Graphics Forum, Vol. 35(2), pp. 307–317, 2016.

Languages

Mother tongue(s)

Self-assessment
European level^(*)

English

Japanese

Chinese

Hungarian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
C2 Proficient user	C1 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user
B1 Independent user	C1 Proficient user	B2 Independent user	B2 Independent user	B2 Independent user

^(*) *Common European Framework of Reference (CEF) level*

Achievements

2014 5th at the ICFP Programming Contest (as NIL) [Lightning round: 3rd]

2008 Finalist at the ICFP Programming Contest (in team Epsilon)

1996 3rd place at the Nemes Tihamér National Programming Competition

Computer skills

Programming	Common Lisp, C++, Scheme, Haskell, etc.
Libraries	Qt, Boost, Eigen, GSL, CAD-related libraries, etc.
Scientific	Emacs, L ^A T _E X, PostScript, Maxima, Octave
Graphics	GIMP, Inkscape

Interests

Languages	I like learning (natural- and programming) languages, including “exotic” ones such as Indonesian, Forth, Arabic, Rust, Hindi/Urdu, Julia, Swahili, Racket.
Movies	I love classic cinema, especially of the 40s and 50s.
Games	I am fond of tabletop games, such as go, contract bridge, mahjong, German-style board games, etc.
Music	I play the cello since I was 8 years old.