



# Europass Curriculum Vitae



## Personal information

Surname / First name

Address

Telephone

Personal Email

Nationality

Date of birth

Gender

**Salvi, Péter**

Lágymányosi u. 14.

1111 Budapest

Hungary

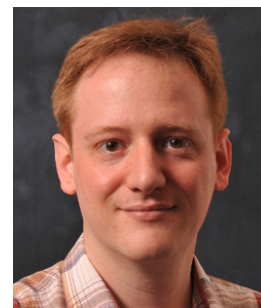
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vukung@yahoo.com

Hungarian / Swiss

March 22, 1982

male



## Education

- |           |   |
|-----------|---|
| 2018      | Modern Standard Arabic intensive course at Qalam wa Lawh, Morocco — “Advanced 2” level  |
| 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

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|--------------|--|
| 2019–current | Associate professor at the Budapest University of Technology and Economics (BME), Hungary        |
| 2014–2019    | 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 Fast and local fairing of B-spline curves and surfaces with H. Suzuki and T. Várady, 2008  
 Hierarchical surface fairing with constraints with T. Várady, 2010

$n$ -sided surface representations Transfinite surface interpolation over irregular  $n$ -sided domains with T. Várady and A. Rockwood, 2011  
 Transfinite surface interpolation with interior control with T. Várady and A. Rockwood, 2012  
 Ribbon-based transfinite surfaces with T. Várady and A. Rockwood, 2014  
 $G^2$  surface interpolation over general topology curve networks with T. Várady, 2014  
 A multi-sided Bézier patch with a simple control structure with T. Várady and Gy. Karikó, 2016  
 Enhancement of a multi-sided Bézier surface representation with T. Várady and I. Kovács, 2017  
 Multi-sided Bézier surfaces over concave polygonal domains with T. Várady, 2018  
 Multi-sided Bézier surfaces over curved, multi-connected domains with T. Várady, M. Vaitkus and Á. Sipos, 2020

**Languages**

Mother tongue  
*Self-assessment*  
*European level*<sup>(\*)</sup>

**Hungarian**

**English**  
**Japanese**  
**Chinese**  
**Arabic**

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
A2 Basic user	B2 Independent user	B1 Independent user	B1 Independent user	B1 Independent user

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

## Achievements

- |      |   |
|------|---|
| 2018 | Best paper award at the Shape Modeling International conference     |
| 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++, Julia, Scheme, etc.                              |
| Libraries   | Qt, Eigen, GSL, CAD-related libraries, etc.                        |
| Scientific  | Emacs, L <sup>A</sup> T <sub>E</sub> X, PostScript, Maxima, Octave |
| Graphics    | GIMP, Inkscape   |

## Interests

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|-----------|--|
| Languages | I like learning (natural- and programming) languages, including “exotic” ones such as Indonesian, Haskell, Hindi/Urdu, Rust, Persian, Forth, Swahili, Prolog or Turkish. |
| Reading   | I read classic fiction from all around the world (with an Eastern bias).   |
| Movies    | I love old movies, especially those 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.  |
| Family    | I am married, with two daughters.  |