

# CURRICULUM VITAE

## 1. PERSONAL DETAILS

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Name: Gyula Nagy  
Born: July 4, 1960 in Lengyeltóti, Hungary  
Family: Married, 3 children  
Citizenship: Hungary  
Email: nagy.gyula@ybl.szie.hu  
Position: Polytechnic professor

## 2. DEGREES

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My formal qualifications are in mathematics and engineering, with the following degrees:

- 2.1. 2017: Habilitation. Breuer Marcell Doctoral School, Faculty of Engineering and Information Technology, University of Pécs. *Topic: Connected Structure by Tensegrity Elements: bracing or cross-linking from the nano particles through robotics to skyscrapers.*
- 2.2. 1998: Ph.D. in mathematics, Technical University Budapest. Supervisor: András Recski. *Topic: Rigidity of bar-joint framework, bracing building-like framework against the shear displacements. Developed effective algorithms for the computation of the rigidity of repetitive (cubic-grid) bar-joint framework.*
- 2.3. 1996: Kandó Polytechnic, Budapest, Hungary, as a safety-technic engineer.
- 2.4. 1984: Eötvös University, Budapest, Hungary, as a mathematics-physics-descriptive geometry high school teacher.

## 3. EMPLOYMENT

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- 3.1. 2014-present: Polytechnic professor Department of Civil Engineering, Szent István University Ybl Miklós Faculty of Architecture and Civil Engineering.
- 3.2. 2002-2014: Polytechnic professor Department of Computer Science and Descriptive Geometry, Szent István University Ybl Miklós Faculty of Architecture and Civil Engineering.

- 3.3. 2001–2015: Editor in Chief, Mathematics and Physics Journal for High Schools.
- 3.4. 2000–2002: Polytechnic Associate Professor Department of Computer Science and Descriptive Geometry.
- 3.5. 1990–2000: Polytechnic Assistant Professor Department of Mathematics and Descriptive Geometry, Ybl Polytechnic
- 3.6. 1984–1997: Mathematics teacher Szent István Grammar School.

## 4. EXPERIENCE

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- 4.1. 2008-2014: Head of Department for the Department of Computer Science and Descriptive Geometry.
- 4.2. 2012-2014: Head of Quality Management Department
- 4.3. 2006-2014: I serve more Committee of the Faculty and direct the introduction of educational information system NEPTUN, and changed Quality system of the faculty.
- 4.4. 2006-2008: Head of Informatics Department
- 4.5. Short visiting professorships at:
  - 4.5.1. Germany, Oldenburg;
  - 4.5.2. Czech Republic, Prága;
  - 4.5.3. Denmark, Horsens;
  - 4.5.4. Spain, Valencia.
- 4.6. Field of research: Geometry and combinatorial optimization mainly in rigidity, graphs, computer science, CAD, problem-solving, spatial ability.  
Research and development projects
  - 4.6.1. 2001-2015 managing more applications annually for KöMaL grants organization was serious work each of the years that was made up of several sources about HUF 15 million. (Hungarian Government, Ericsson)
  - 4.6.2. OTKA T 014181, supervised András Recski, as participant.
  - 4.6.3. OTKA T 67651, supervised András Recski, as a participant.
  - 4.6.4. 1994-95 Magyar Tudományért, Individual grant.
  - 4.6.5. 1993-94 Magyar Műszaki Haladásért, Individual grant.

## 5. OTHER SKILLS

### 5.1. LANGUAGE:

- 5.1.1. English intermediate
- 5.1.2. Russian intermediate

### 5.2. REVIEWER:

- 5.2.1. ACI Structural And Material Journals
- 5.2.2. Science Education
- 5.2.3. Ybl Journal Of Built Environment

## 6. SCIENTIFIC SOCIETIES

- 6.1. Bolyai János Matematikai Társulat
- 6.2. Earlier: Naumann János Számítástudományi Társaság
- 6.3. Even earlier: Magyar Operációkutatási Társaság tag

## 7. AWARDS

- 7.1. 2017 “Magyar Köztársasági Érdemrend lovagkeresztje” for my work for KöMaL
- 7.2. 2009 “Babérkoszorú Arany fokozat” from SZIU
- 7.3. 1996 Jávor Andor Award for my student’s result in national mathematics competitions from Szent István Grammar School

Budapest, 2018. 12. 29.