

# Europass Curriculum Vitae



## Personal information

First name(s) / Surname(s)

**Tamás NAGY-GYÖRGY**

Address(es)

Timișoara, 2<sup>nd</sup> T. Lalescu C – 300223 Timisoara, Romania

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Nationality

Romanian

## Work experience

Dates

1999 - 2004 / 2004 - 2008 / 2008 - 2014 / 2014 - 2016 / onwards

2006 onwards

Occupation or position held

Ph. D Stud / Assistant / Lecturer / Assoc. Prof. / Professor

Consultant

Main activities and responsibilities

Teaching, Research, Design in Civil Engineering

Design, Consultancies

Name and address of employer

Politehnica University of Timișoara

SC YURTA SRL Timișoara

Type of business or sector

University

Civil Engineering

## Education and training

Dates

1994 -1999

1999 - 2001

1999 - 2004

Title of qualification awarded

Engineer

Master

Ph. D.

Principal subjects/occupational skills covered

Civil Engineering

Building Rehabilitation

Use of the FRP Composites for Strengthening Masonry and RC Elements

Name and type of organisation providing education and training

Politehnica University of Timișoara, Romania

## International Training Stages

Dates

2002 - research

2000, 2001, 2002 - research

1997, 1998, 1999 - studies

Name and type of organisation providing education and training

University of North Carolina at Charlotte, USA

Technical University of Budapest, Hungary

Technical University of Budapest, Hungary

## Personal skills and competences

Mother tongue(s)

**Hungarian**

Other language(s) Self-assessment  
*European level (\*)*

**English**  
**Romanian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Intermediate	C1	Intermediate	B2	Intermediate	B2	Intermediate	B2	Intermediate
C2	Advanced	C2	Advanced	C1	Advanced	C1	Advanced	C2	Advanced

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Teamwork and intercultural interaction

Organisational skills and competences

Coordinator of research contracts, experimental programs  
PhD supervisor – habilitation thesis defended in 2016

Technical skills and competences	Design of Reinforced Concrete Structures Fibre Reinforced Polymer (FRP) Composites in Constructions Structural Strengthening Methods and Techniques for Structural Monitoring Masonry Structures Structural Health Monitoring
Computer skills and competences	Microsoft Office, CAD, AXIS VM
<b>Affiliation to Professional Associations</b>	<i>fib</i> – International Federation for Structural Concrete (since 2006) ACI – American Concrete Institute (since 2011) AICPS – Association for Structural Building Designers in Romania (since 2001) EMT – Hungarian Technical Scientific Society of Transylvania (since 2001) EME – Transylvanian Museum Society (since 2020) Member of public body of Hungarian Academy of Sciences (since 2008)
<b>Research works</b>	<p><i>Member in 11 national research grants, in 4 as director</i></p> <ul style="list-style-type: none"> <li>- Strengthening of Reinforced Concrete and Brick Masonry Wall Members with CFRP Composites, ANSTI - T, GR 6153/2000-2001;</li> <li>- Retrofit monumental buildings from masonry structure using FRP composites, CNCSIS-TD, CT 39783/2002, 33550/2003;</li> <li>- Experimental Tests of Reinforced Concrete Structural Walls Retrofitted with CFRP Composites, CNCSIS - TD, CT 32940/2004;</li> <li>- Advanced Systems for Strengthening Reinforced Concrete Structural Elements as Beams, Columns, Walls and Slabs Using Fiber Reinforced Polymer Composite Materials, CEEX - ET, CT 1436/2006-2008;</li> <li>- Use of carbon fiber reinforced composites for strengthening reinforced concrete and brick masonry elements, CNCSIS A, CT 34977/2001-2003;</li> <li>- Optimization of modern steel-concrete composite solutions used for structures, CNCSIS A, CT 34977/2001-2003;</li> <li>- Stiffness assessment of masonry elements retrofitted with different procedures, CNCSIS A, CT 27688/2005-2006;</li> <li>- Theoretical and Experimental Study of Precast Beam Ends Retrofitted with FRP Composites, CNCSIS A, CT 27688/2005;</li> <li>- Strengthening Reinforced Concrete Structural Walls and Slabs with Cut-Out Openings Using Fiber Reinforced Polymer Composites, CT CNCSIS A, CT 58GR/2006-2008;</li> <li>- Innovative structural systems from steel-concrete polymer composites, PN II, ID_1004, 621/2009-2011;</li> <li>- Nearly zero energy house and passive house – sustainable solutions for residential buildings, PN II-PT-PCCA-2011-2016;</li> </ul> <p><i>Member in 5 international research grants, in 1 as co-director</i></p> <ul style="list-style-type: none"> <li>- Seismic Retrofit of Masonry Structures, COBASE/NSF/2002;</li> <li>- Improvement of buildings' structural quality by new technologies, COST C12/ESF/2002-2005;</li> <li>- PROHITECH - Earthquake PROtection of Hlistorical buildings by reversible mixed TECHnologies, FP6/ESF/2005-2008;</li> <li>- PASSHOUSE - Performance ASSessment of energy efficient HOUSEs Through Monitoring, HURO/ESF/2012-2013;</li> <li>- Next Generation Design Guidelines for Composites in Construction, COST TU1207/ESF/2013-2016.</li> </ul>
<b>Papers / Books</b>	<ul style="list-style-type: none"> <li>- COST C12 – Improvement of Bulidings Structurall Quality by New Technologies (WG2), Final Scientific Report (WG2), A. A. Balkema Publishers, 2004, ISBN 9780415366090</li> <li>- Earthquake Protection of Historical Buildings by Reversible Mixed Technologies. FP6 PROHITECH: Volume 3: Seismic Protection of historical buildings: experimental activity, Polimetrica, 2012, ISBN 978-88-7699-173-8</li> <li>- Volume 5: Seismic protection of historical buildings: calculation models, Polimetrica, 2012, ISBN 978-88-7699-177-6</li> <li>- Nagy-György T., FRP composites for strengthening masonry and concrete elements (in Romanian), Politehnica, 2007, ISBN 978-973-625-445-1</li> <li>- Stoian V., Nagy-György T., Dan D., Gergely J., Dăescu C., Fiber Reinforced Polymer Composites for Constructions (in Romanian), Politehnica, 2004/2009, ISBN 973-625-948-7</li> <li>- Nagy-György T., Floruț C., Concrete 2 - guideline for designing a reinforced concrete slab (in Romanian), Ed. Mirton, 2016, ISBN 978-973-52-1656-6</li> <li>- Floruț S. C., Nagy-György T., Concrete 2 - guideline for designing a reinforced concrete slab, Mirton, 2016, 978-973-52-1657-3</li> </ul> <p>More than 190 published scientific papers: 12 Papers in National Journals, 31 Papers in other International Databases, 27 Papers indexed in ISI</p>

<b>Professional Certifications</b>	Laboratory Chef for research and testing activities - attested by State Inspectorate for Constructions (since 2008) Quality Design Checker of Romanian Ministry for Public Works and Buildings (since 2008) Structural Health Monitor of Structures (since 2008) Certified project verifier – requirement A1 (strength and stability of concrete, masonry, timber structures)
<b>Design works</b>	Collaboration in more than 60 Structural Design Projects, Expertise or Rehabilitation Projects
<b>Hobby</b>	Wine tasting, hiking, tennis.
<b>Additional information</b>	References available upon request.

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Timișoara

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