László Gergely Vigh , PhD
External advisor
MSC Civil Engineer

Present workplace:

Assistant professor, BME Department of Structural Engineering
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Qualification:

PhD in civil engineering, BME

Language:

English intermediate C type language exam
Japanese - good oral and writing skills

Workplace:

2007-	Assistant professor, Department of Structural Engineering, BME
2007-2008	visiting scholar, The John A. Blume Earthquake Engineering Center, Stanford University
2006	Assistant Lecturer, Department of Structural Engineering, BME
2002-2004	Researcher, Graduate School of Engineering, Laboratory of Applied Structures, Osaka University
2001-02, 2004-05	PhD student, Department of Structural Engineering, BME

Research field:

Steel and aluminum structures and connections. Non-conventional thin-walled structures.
Multi-stiffened metal plates. Numerical modeling of complex joints. Virtual experimenting. Experimental and numerical analysis. Real and virtual experiment based design.
Analysis and design of seismic resistant structures. Seismic performance evaluation.

Seismic analysis of bridges. Pedestrian imposed dynamic behavior of pedestrian bridges.
Performance based design. Fire design of structures. Wind engineering structures.

Professional skill:

Involved in industrial, practical design and experting works. Major projects:

North Danube Bridge of Highway M0 – Independent static and seismic analysis
Dunaújváros Danube Bridge of Highway M8 – Independent static and seismic analysis
M8 Márkó Bridge – Simulation of erection
New generation "Heller-Forgó" steel cooling tower – Prototype development, experimental and numerical study

Research projects:

2006-08	OTKA T062970, supervisor: Ádány, Sándor.
2006-08	TÉT project PORT-5/2005 (OMFB-01247/06): BME-Instituto Superior Téchnico, Lisbon.
2005-08	OTKA T049305, supervisor: Dunai, László.
2000-04	OM ALK 00074/2000 Ministry of Education R&D project: *Development of Lindab lightweight building system*, supervisor: Dunai, László, industrial partner: Lindab Kft.

Awards and scholarship:

2008	„Teaching of young researchers" award donated by the president of the BME
2008	Instituto Superior Téchnico, Lisbon, Portugal, supervisor: Dinar Camotim (2 months)
2003	Heriot-Watt University, Edinburgh, UK, supervisor: B. H. V. Topping (2 months)
2002	Light Gauge Metal Structures – Recent Advances, Udine, Italy (1 week)
2001	Advanced Studies in Structural Engineering and CAE, Weimar, Germany (2 weeks)

Main references:

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