Tomasz PIOTROWSKI

WARSAW UNIVERSITY OF TECHNOLOGY
Faculty of Civil Engineering
Institute of Building Engineering
Department of Building Materials Engineering

Tomasz Piotrowski Graduated of Faculty of Civil Engineering Warsaw University of Technology in 2005. Since then, a science employee of this Faculty (Research-and-teaching assistant up to 2010, after Assistant professor). During studies involved in international Poland-Wallonia research project on the influence of surface preparation of concrete substrate on stress wave propagation in repair systems. Master thesis prepared at University of Liege awarded by Ministry of Transportation and Construction. In 2010 defended his doctor thesis entitled *Use of impact-echo signal analysis in bond quality evaluation of repair systems*. An author or co‑author of 67 polish and international publications. Lately involved in a project of design a shielding concrete for Nuclear Power Plants. In 2013 his project ***New Generation Shielding Concrete against ionizing radiation (NGS-Concrete)*** was awarded for financing by the National Centre for Research and Development in the framework of the LIDER program.

AWARDS:

- 2016 - Gold Honorary Award funded by Association of Engineers and Technicians of Building Materials Industry (SITPMB)
- 2014 - IIrd degree Individual Award funded by Rector of Warsaw University of Technology for the scientific achievement in 2012-2013 for the scientific description of the method for evaluation of shielding properties against ionizing radiation for concretes based on computer simulations by Monte Carlo method and its use in material optimisation of building composites
- 2014 - IInd degree Team Award funded by Rector of Warsaw University of Technology for the scientific achievement in 2012-2013 for patent of the invention - cement-lime binder (Patent PL214598)
- 2013 - Diploma for the patronage of inż. Batłomiej Sawicki who was awarded in a competition for the best master and engineering thesis in specialties: structural engineering and construction production and energy efficient construction defended in the Institute of Building Engineering an the Faculty of Civil Engineering of Warsaw University of Technology. Award funded by Dean of Faculty of Civil Engineering WUT, MOIIB and PZiTB;
- 2005 - Award of Ministry of Transportation and Construction for Master Thesis

PARTICIPATION IN SCIENTIFIC PROJECTS:

- 2016-2013 - *New Generation Shielding Concrete against ionizing radiation (NGS-Concrete)* Research project in the framework of the LIDER program of the National Centre for Research and Development, LIDER/033/639/L-4/12/NCBR/2013, project manager
- 2013-2010 - *UIR-scanner - mobile, integrated scanner for non-destructive evaluation of concrete structures*, Research project for development *of Ministry of Science and Higher Education, NR04-0024-10, main investigator*
- *2010-2008 - Fly*-ash polymer concretes, Research project of Ministry of Science and Higher Education, N N506 371434, main investigator
- 2006-2009 - *Noble lime*, Research project for development of Ministry of Science and Higher Education, R04 020 01, main investigator,
- 2004-2006 - *Application of wavelet analysis for bond evaluation in repair systems*, Research project for development of Ministry of Science and Informatisation, 4 T07E 027 27, investigator

PARTICIPATION IN INTERNATIONAL PROJECTS:

- 2008-2009 - Comparison, analysis and mathematical developments in techniques of impact-echo and geo-radar for acoustic evaluation of the matrices of cementitious binders, Research project in the framework of bilateral scientific-technical cooperation, between Poland and Belgium (Wallonia-Bruxelles)
- 2005-2007 - Development and use of self-compacting mortars for maintenance and repair, of concrete structures, Research project in the framework of bilateral scientific-technical cooperation between Poland and Belgium (Wallonia-Bruxelles)
- 2003-2005 - Studies on the mechanism and characterization of adhesion using destructive and non-destructive methods, Research project in the framework of bilateral scientific-technical cooperation between Poland and Belgium (Wallonia-Bruxelles)

INTERNATIONAL TRAINING:

- 2010 - Nuclear Engineering 3-months course at INSTN Saclay (France) organised by Ministry of Economy in the framework of training for polish educators for polish nuclear energy needs
- 2004-2005 – Influence of surface preparation of concrete substrate on stress wave propagation in repair systems, 10 months Erasmus Scolarship at University of Liege (Belgium)