

CURRICULUM VITAE

Szymon Chołostiakow

BSc, MSc, PhD

Research Associate

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I am a structural engineer, with a proven track record in solving complex engineering problems. I developed extensive research experience in experimental investigation of reinforced concrete and advanced composites for construction (Fibre-Reinforced-Polymers). My research interests lie broadly in the field of innovative and sustainable construction materials, experimental mechanics, structural rehabilitation of buildings, and earthquake engineering. I have vast experience in coordinating and executing large research projects including management, reporting, and academic publishing.

EDUCATION

PhD in Civil Engineering	22.09.2014-17.01.2019
University of Sheffield Sheffield, UK Dissertation: <i>"Size Effect in Shear Critical FRP RC Beams"</i> .	
MSc in Civil Engineering	10.03.2011-26.09.2012
Lodz University of Technology Lodz, Poland Dissertation: <i>"Numerical analysis and design of Sohlbergplassen viewing platform in Norway"</i> .	
BSc in Civil Engineering,	24.09.2007-10.02.2011
Lodz University of Technology Lodz, Poland Dissertation: <i>"Design of a multi-storey car park"</i> .	

WORK EXPERIENCE

City, University of London	01.05.2019-01.09.2021
Research Associate London, UK	
University of Sheffield	22.09.2014-01.04.2019
Marie Curie Early Stage Researcher London, UK	
Politecnico di Milano	01.10.2016-15.12.2016
Visiting Researcher Milan, Italy	
Lodz University of Technology	01.10.2012-01.07.2014

Researcher
Lodz, Poland

Skanska
Site Engineer
Lodz, Poland

01.06.2011-31.09.2011

Accredited Lab of Department of Civil Engineering
Research Technician
Lodz, Poland

01.02.2010-31.09.2012

MANAGEMENT AND ADMINISTRATION

- Currently co-coordinating a research project exploring novel types of reinforcements for seismic strengthening of masonry structures
- Co-coordinated 2 international research networks and one industrial project
- Coordinated two experimental programmes investigating performance of innovative construction materials
- Chaired the Marie Curie Fellow Committee of *endure* project
- Sat on the organizing committee of 3 international conferences
- Trained and supervised postgraduate research students
- Managed and distributed orders to ~20 site workers
- Served as health and safety officer on the construction site

PROJECTS AND PARTICIPATION IN INDUSTRIAL INNOVATION

Seismic strengthening of unreinforced masonry structures Cooperation with TARGET FIXINGS Ltd	01.05.2019-present
Marie Curie ITN endure Collaboration with 11 industrial partners http://www.endure-itn.eu/	22.09.2014-01.1.2017
TU1207 COST ACTION Cooperation with TARGET FIXINGS Ltd http://www.tu1207.eu/	22.09.2014-01.1.2017
Anagennisi New Concept of Flexural Strengthening for Reinforced Concrete Beams with the Use of Carbon FRP Profiles Cooperation with MOSTOSTAL WARSAW S.A.	22.09.2014-01.06.2017 01.10.2012-30.06.2014
POIG project http://www.poig.2007-2013.gov.pl/Strony/default.aspx	01.10.2012-30.06.2014

COURSES

- Grant Proposal Workshop – Budapest, Hungary **04.04.2017-06.04.2017**
- Advanced Course in Materials, Techniques and Design Approaches for the Structural Strengthening – Portugal **13.06.2016-13.06.2016**
- Secondment and training on DIC techniques, Milan, Italy **01.10.2016-15.12.2016**
- Training on Experimental Mechanics, Padua, Italy **01.07.2016-03.07.2016**
- FRP design course – Ghent, Belgium, **19.10.2015-23.12.2016**
- FRP composites in composites in construction – Sheffield, UK, **27.05.2015-14.05.2015**

ACCOMPLISHMENTS AND AWARDS

- Best Presentation Award – Zurich, Switzerland, **2015**
- 3rd Best Poster Award – Kaiserslautern, Germany, **2014**
- Scholarship for the best PhD students (2x), Lodz, Poland, **2014&2015**
- Chosen for Summer Internship Program in Skanska (150 interns/country), Lodz, Poland **2011**

LIST OF PUBLICATIONS

Journal papers:

- J5. Cholostiakow, S., Di Benedetti, M., Zappa, E., Pilakoutas, K. and Guadagnini, M. "Experimental Analysis of Shear Resisting Mechanisms in FRP RC Beams," Journal of Composites for Construction.
- J4. Cholostiakow, S., Di Benedetti, M., Pilakoutas, K. and Guadagnini, M. (2018) "Effect of Beam Depth on Shear Behaviour of FRP RC beams," Journal of Composites for Construction. [https://doi.org/10.1061/\(ASCE\)CC.1943-5614.0000914](https://doi.org/10.1061/(ASCE)CC.1943-5614.0000914).
- J3. Rezazadeh, M., Cholostiakow, S., Kotynia, R., Barros, J. (2016), "Exploring New NSM Reinforcements for the Flexural Strengthening of RC Beams: Experimental and Numerical Research," Composite Structures, 141, 132-145.
- J2. Kotynia, R. and Cholostiakow, S. (2015), "New Proposal for Flexural Strengthening of Reinforced Concrete Beams Using CFRP T-Shaped Profiles," Polymers, 7(11), 2461-2477.
- J1. Cholostiakow, S. and Kotynia, R. (2014), "Flexural Strengthening of RC Beams by Using a Near Surface Mounted T-Section Profiles." Budownictwo i Architektura 13(3) (2014) 71-78. (full text in Polish)

Peer Reviewed Conference Papers including Fellow's presentations:

- C10. Di Benedetti, M., Gomez, J., Cholostiakow, S., Fergani, H., Barris, C., and Guadagnini, M (2018) "Reliability of DIC Measurements for the Structural Monitoring of FRP RC Elements." Proc. of 9th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering (CICE 2018), July 17-19, 2018, Paris, France.
- C9. Cholostiakow, S., Di Benedetti, M., Guadagnini, M., Zappa, E., (2017) "Size Effect in FRP RC Beams with and without Shear Reinforcement." Special Publication on FRPRCS-13 The 13th International Symposium on Fiber-Reinforced Polymer Reinforcement for Concrete Structures, October 14-15, 2017, Anaheim, California.
- C8. Cholostiakow, S., Di Benedetti, M., Guadagnini, M., Zappa, E., (2017) "Shear Behaviour of FRP RC Beams: Does Size Matter?" Proc. of Advanced Composites in Construction, ACIC2017, September 5-7, 2017, Sheffield, UK.
- C7. Cholostiakow, S., Di Benedetti, M., Guadagnini, M., Gowda, C., Barros, J., Zappa, E., (2016) "Experimental and numerical study on the shear behaviour of geometrically similar FRP RC beams." Proc. of CICE2016 – 8th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering, December 14-16, 2016, Hong-Kong, China.
- C6. Cholostiakow, S., Di Benedetti, M., Guadagnini, M., (2016). "Shear Strength and Size Effect in FRP RC Beams." Proc. of 11th fib International Symposium in Civil Engineering, August 23-31, 2016, Tokyo, Japan.
- C5. Di Benedetti, M., Cholostiakow S., Fergani, H., Zappa, E., and Guadagnini, M., (2015), "3D-DIC for strain measurement in small scale GFRP RC specimens," Proc. of SMAR . 3rd Conference on smart Monitoring, Assessment and Rehabilitation of Civil Structures, September 7-9, 2015, Antalya, Turkey.

- C4. Cholostiakow, S. and Kotynia, R. (2014), "Flexural strengthening of RC beams using a near surface mounted CFRP profiles," Proceedings of the 7th International Conference on FRP Composites in Civil Engineering, CICE 2014. August 20-22, 2014, Vancouver, Canada.
- C3. Cholostiakow, S. and Kotynia, R. (2014), "Efficiency of strengthening RC beams in flexure with use of CFRP T-section profiles," Proc. of 10th fib International Symposium in Civil Engineering, July 21-23, 2014, Quebec, Canada.
- C2. Cholostiakow, S. Kotynia, R., Przygocka M. (2013), "Flexural Strengthening of Reinforced Concrete Structures with Near Surface Mounted FRP Composites," Proc. of 9th Central European Congress on Concrete Engineering CCC2013, September 4-6, 2013, Wroclaw, Poland.
- C1. Cholostiakow, S., Krawczyk, M., Szymczak, P., Olbryk, P., (2012), "Effects of FRP Reinforcement on Flexural Behaviour of Concrete Beams" Proc. of 1st International Conference on Civil Engineering Infrastructure Based on Polymer Composites CECOM 2012, November 21-22, 2012, Crakow, Poland.

TEACHING AND SUPERVISION

- Trainer in two editions of FRP design course for students and practitioners (90 people trained) <http://www.frpcourse.ugent.be/>
- Graduate Teaching Assistant in modules: Innovations in Structural Concrete, Advanced Concrete Design and Concrete Technology.
- Lab Demonstrator in Multidisciplinary Engineering Education Group, University of Sheffield.
- Co-supervision of 4 MSc and 7 BSc students

OTHER SKILLS

Software

MS/Open Office, AutoCAD, Abacus, Autodesk Robot, Mathcad, Matlab, SPSS

Laboratory equipment

Familiar with servo-hydraulic testing systems, Zwick/Roell Cubus Software, Shimadzu testing machine, Digital Image Correlation VIC-3D.

Languages

Fluent in English and Polish, basic communication skills in German

Other

Sailing instructor