

# Pawel Boguslawski

Date of birth: 25.01.1976  
Nationality: Polish  
Marital status: Married

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## Education

2006 – 2011 Faculty of Advanced Technology, University of Glamorgan, Pontypridd, UK

- PhD project funded by EPSRC and Ordnance Survey, Supervisor Prof. Christopher Gold
- Thesis title: "Modelling and Analysing 3D Building Interiors with the Dual Half-Edge Data Structure"
- The project is connected with 3D modelling, data structures, and disaster management systems.

1995 – 2000 Department of Computer Science, Bialystok Technical University, Bialystok, Poland

- MSc in Computer Science, specialization in Software Development
- Defended master's thesis entitled "Boiling process simulator" with a very good grade. Diploma with distinction. Simulator is an application implements discrete model of heating surface and uses finite difference method.
- Finished his studies in the group of the 5% best graduates of the University.

## Work experience

### Senior Lecturer

since December 2011 Faculty of Geoinformation and Real Estate, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

### Tutor

2007 – 2008 Faculty of Advanced Technology, University of Glamorgan, Pontypridd, United Kingdom,

### Research Assistant

2003 – 2006 Department of Technical Science, University of Finance and Management, Elk, Poland,

### Software Developer

2004 – 2006 BOS SA, Bialystok, Poland

### Project Manager, Programmer

2001 – 2004 Infinity Group, Bialystok, Poland

### Programmer

2000 – 2001 NTI, Bialystok, Poland

### Research Assistant (trainee)

1999 – 2000 Bialystok Technical University, Bialystok, Poland

### Data Analyst

1999 (March – June) Bialystok Technical University, Bialystok, Poland

## Professional Contributions

- ISPRS UV Helava Award jury member (2013 – 2016)
- Co-Chair, ISPRS Working Group II/2 "Multiscale n-dimensional Spatial Data Representations, Data Structures and Algorithms" (2012 – 2016)
- Secretary of the ISPRS Working Group II/5 "Multidimensional and mobile data models" (2008 – 2012)
- Journal paper reviewer: Geospatial Information Science (2013), International Journal of Digital Earth (2012), Computers & Geosciences (2012), Geoinformation Science (2012), International Journal of Geographical Information Science (2011), Planning and Design journal (2009)

- Program Committee member: International Symposium & Exhibition on Geoinformation (2013), International Workshop on Geoinformation Advances (2012), Congress of the International Society for Photogrammetry and Remote Sensing, WG II/5 (2012), International Real Estate Conference (2012), International Conference on Theory, Data Handling and Modelling in GeoSpatial Information Science (2010), ISPRS International Workshop on Multidimensional & Mobile Data Model in Malaysia (2009)
- AGSE 2012 & FOSS4G-SEA Conference Organization Committee member, ISVD 2007 – Local Committee member
- Committeeman of Scholarship Commission at the Bialystok Technical University and University of Finance and Management (1996 – 2000, 2006)
- Committeeman of Students Self-Rule at the Bialystok Technical University (1996 – 1997)

## **Awards**

- The best paper of 2011 award – ISPRS Journal of Photogrammetry and Remote Sensing, “Modelling and analysing 3D buildings with a primal/dual data structure”
- Laureate of contest: The Best Student of Bialystok Universities “Primus Inter Pares” in 2000
- Laureate of contest: The Best Student of Bialystok Technical University in 1999

## **Foreign languages**

- English – proficient (spoken and written, technical, scientific)
- Russian – basic (spoken and written)
- Polish – native

## Publications

- Rahman, A. A., Boguslawski, P., Gold, C., Said, M. N., 2013, Developments in Multidimensional Spatial Data Models. Lecture Notes in Geoinformation and Cartography, Springer.
- Ogori, K. A., Boguslawski, P., and Ledoux, H., 2013, Representing the dual of objects in a four-dimensional GIS, Developments in Multidimensional Spatial Data Models. Lecture Notes in Geoinformation and Cartography, Abdul Rahman, A., Boguslawski, P., Gold, C., Said, M. N. (eds.), Springer, pp. 17-31.
- Boguslawski, P., Gold C., and Abdul Rahman, A., 2012, CAD Construction Method of 3D Building Models for GIS Analysis, ISPRS Annals of the Photogrammetry and Remote Sensing Spatial Information Science, Vol. 1-2, pp. 93-98.
- Boguslawski, P., Gold C., and Abdul Rahman, A., 2012, A Simple Data Structure for 3D GIS Modelling, 11<sup>th</sup> International Symposium & Exhibition on Geoinformation, Kuala Lumpur, Malaysia.
- Boguslawski, P., Gold C., and Ledoux, H., 2011, Modelling and analysing 3D buildings with a primal/dual data structure, ISPRS Journal of Photogrammetry and Remote Sensing, 66(2), pp. 188-197.
- Gold, C., Boguslawski, P., Abdul Rahman, A., Li, Z., and Liu, G., 2011, A Consistent Definition of Spatial Context With Applications, International Symposium and Exhibition on Geoinformation (ISG) and ISPRS 2011, Shah Alam, Selangor, Malaysia, keynote paper.
- Gold, C. M., Boguslawski, P., Abdul Rahman, A., Li, Z., Liu, G., 2011, The Context of Survival: Supporting the Man on the Spot, The Joint ISPRS Workshop on 3D City Modelling & Applications and the 6th 3D GeoInfo Conference, Wuhan, China.
- Boguslawski, P., Gold, C., 2011, Rapid Modelling of Complex Building Interiors, Advances in 3D Geo-Information Sciences. Lectures Notes in Geoinformation and Cartography, Kolbe, T.H., König, G. and Nagel, C. (eds.), Springer, pp. 43-56.
- Boguslawski, P., Gold, C., 2010, Euler Operators and Navigation of Multi-shell Building Models, Developments in 3D Geo-Information Sciences. Lecture Notes in Geoinformation and Cartography, Neutens, T. and Maeyer, P. (eds.), Springer, pp. 1-16.
- Boguslawski, P., Gold, C., 2009, Construction Operators for Modelling 3D Objects and Dual Navigation Structures, 3D Geo-Information Sciences. Lecture Notes in Geoinformation and Cartography, Lee, J. and Zlatanova, S. (eds.), Springer, pp. 47-59.
- Boguslawski, P., Gold, C., 2009, Beyond Voronoi: The Case for Primal and Dual Data Structures, ISPRS International Workshop on Multidimensional & Mobile Data Model, Malaysia.
- Boguslawski, P., Gold, C., 2009, Unified 2D Terrain and 3D Multi-Shell Building Models, ISPRS International Workshop on Multidimensional & Mobile Data Model, Malaysia.
- Boguslawski, P., Gold, C., 2008, Construction Operators for Modelling 3D Objects, 3rd Research Student Workshop, Plassmann, P. and Roach, P. (eds.), University of Glamorgan, UK, pp. 70-74.
- Boguslawski, P., Gold, C., 2007, Atomic Operators for Construction and Manipulation of the Augmented Quad-Edge, Proceedings of the 6th International Conference on Computer Information Systems and Industrial Management Applications, IEEE Computer Society, Poland, pp. 125-128.
- Boguslawski, P., Gold, C., 2007, Augmented Quad-Edge – 3D Data Structure for Modelling of Building Interiors, The 5th ISPRS Workshop on Dynamic and Multidimensional GIS, Jiang, J. and Zhao, R. (eds.), China, pp. 51-54.
- Boguslawski, P., Borowski, P., Mosdorf, R., 2005, Measurements and analysis of influence at liquid oscillations on behaviour of gas – liquid interface, ACS - CISIM International Multi-Conference on Advanced Computer Systems, Vol. 2, Poland, pp. 31-39.
- R. Mosdorf, P. Boguslawski, 2001, Boiling Process Simulator, XI Symposium of Heat and Mass Transfer, Gliwice-Szczyrk, Poland