

Dr. Piotr Rygielski

🏠 Würzburg, Germany 🏠 ready to move almost anywhere

✉ (request per e-mail) | ✉ piotr (a) linux.pl | 🌐 piotr.rygielski.xyz | 📷 vikin91 | 📄 rygielski |

Open for new challenges in the northern hemisphere, but not actively looking.

Research and Work Experience

SAP Innovation Center

SOFTWARE DEVELOPER

- Developing scalable cloud health-care solutions.

Berlin area, Germany

Apr 2017 – present

University of Würzburg

DOCTORAL RESEARCHER

- Research and development: cloud computing, meta-modeling, performance modeling, Software-Defined Networks.
- Focus: cloud computing, SDN and NFV, performance modeling, performance prediction.
- Teaching: Software development (four of my groups won prizes).

Würzburg, Germany

Nov 2014 – Mar 2017

Karlsruhe Institute of Technology (KIT)

EARLY STAGE RESEARCHER, MARIE CURIE FELLOW

- EU project (No. 264840): “RELATE ITN: Trans-European Research Training Network on Engineering and Provisioning of Service-Based Cloud Applications.”
- Focus: cloud computing, modeling virtualized networking resources, performance modeling, performance prediction.
- Research visit at Kings College London, Dr. Steffen Zschaler (3 months).

Karlsruhe, Germany; London, UK

Nov 2011 – Oct 2014

Wrocław University of Technology, Faculty of Informatics and Management

RESEARCH ASSISTANT

- Innovative Economy EU project (01.01.02-00-045/09-00): “Future Internet Engineering.”
- Focus: specification of IPv6 QoS for future Internet, specification and implementation of service-oriented e-health applications as demonstrators for future Internet.

Wrocław, Poland

Apr 2010 – Sep 2011

Wrocław University of Technology, Faculty of Informatics and Management

RESEARCH ASSISTANT

- Innovative Economy EU project IT-SOA (01.03.01-00-008/08): “New information technologies for electronic economy and information society based on service-oriented architecture”
- Focus: QoS-driven service composition/orchestration, virtual resources management in service-oriented systems, simulation.

Wrocław, Poland

Aug 2009 – Sep 2011

NetLine Group Sp. z o.o

SYSTEMS' ENGINEER

- Integration of client's legacy systems using IBM Tivoli Identity Manager and Tivoli Directory Integrator. Programming: JavaScript.

Wrocław, Poland

Feb 2009 – Jun 2009

Spaceone Sp. z o.o

PROGRAMMER (PHP, JAVA)

Wrocław, Poland

Aug 2008 – Jan 2009

Education

University of Würzburg, Karlsruhe Institute of Technology (KIT)

PHD (DR. RER NAT)

- PhD candidate (Marie Curie Fellow) at the department of Computer Science, Chair of Software Engineering, University Würzburg (2 years) and at the institute for Program Structures and Data Organization, KIT (3 years).
- Doctoral thesis: Flexible Modeling of Data Center Networks for Capacity Management. Degree awarded, note: very good.

Würzburg and Karlsruhe, Germany

2011 – Mar 2017

Wrocław University of Technology, Faculty of Computer Science and Management

UNFINISHED PHD (DR INŻ.)

- Doctoral student at the faculty of Computer Science and Management, Chair of Teleinformatics. Paused for the Marie Curie Fellowship.
- Teaching: Programming in C, security of systems.

Wrocław, Poland

2009 – 2011

Wrocław University of Technology, Faculty of Computer Science and Management

MSc (MGR INŻ.)

- Master at the faculty of Computer Science and Management. Final grade very good.

Wrocław, Poland

2004 – 2009

KEN Secondary School

FINAL EXAM (ABITUR, MATURA)

- Profile: Mathematics and Computer Science. Prize for excellent final grades (maths, physics).

Gogolin, Poland

2000 – 2004

Honors & Grants

- 2016 **Personal Research Grant**, Deutsche Forschungsgemeinschaft (DFG) (186k€ over 2.5 years), national level, Würzburg, Germany.
- 2015 **Grant for Research Hardware**, Deutsche Forschungsgemeinschaft (DFG) Großgeräte der Länder (170k€, one time), state level (Bavaria), Germany. Würzburg, Germany
- 2011 **Marie Curie Fellow**, Marie Curie Skłodowska, Personal scholarship, (126k€ over 3 years), European Commission. Karlsruhe, Germany
- 2011 **“Młoda Kadra” Scholarship Fellow**, Fourth Edition, personal scholarship, (15k PLN over 6 months), Wrocław Univ. of Technology. Wrocław, Poland

Skills and Strengths

Programming	Perl (most active), Java and its dialects (EMF Epsilon, Xtend), C/C++, Python, \LaTeX , Unix/Linux shell. I am open to learn any language required by a project.
Technologies	Mojolicious, EMF Ecore/Xcore, SDN, NFV, and IP networking (HP and Cisco CCNA), Flask/Django, optimization problems, web services (REST), databases (mainly relational).
Selected Projects	I supervised and developed several software projects—mainly web applications and games. Brief portfolio: https://piotr.rygielski.xyz/ and https://hex64.com/ .
Languages	Polish, English, German (fluent, working), Swedish, Russian, Norwegian (hobby).
Strengths	Easily adapting to new conditions, open minded, clear analytical thinking, supervision and leadership skills, good command of time, eager to learn and develop myself.

Brief Scientific Profile

Publications	Over 20 publications in peer-reviewed journals, books, and international conferences.
University Homepage	http://go.uniwiue.de/piotr
Full Publication List	Available online http://go.uniwiue.de/piotr under <i>Publications</i> .
Research Tools I Develop	Available online http://se.informatik.uni-wuerzburg.de/tools/dni/
Teaching	Software Engineering, Programming in C, Network Security. Taught in English, German, and Polish.
Supervision	Supervised three master and two bachelor students. More are ongoing.
Reviewing	Served as expert reviewer for over 20 international conferences and journals.

Free Time

Hobbies	New technologies, foreign languages, sailing, polar expeditions (reading), science and astrophysics.
Licenses	EU driving license A+B, Yacht Skipper Certificate of Competence (Polish Yachting Association).

References

Samuel Kounev	Full Professor, Chair of Software Engineering, Institute of Computer Science, University of Würzburg, Germany. Contact available per request.
Steffen Zschaler	AHEA, Department of Informatics, King's College London, UK. Contact available per request.
Paweł Świątek	Associate Professor, Faculty of Computer Science and Management, Wrocław University of Technology, Poland. Contact available per request.
Alexandru Iosup	Associate Professor, Parallel and Distributed Systems (PDS) Group of the Faculty of Engineering, Mathematics and Computer Science (EWI), TU Delft, The Netherlands. Contact available per request.