

## **Prof. dr. sc. Branimir Pejčinović**

Mrežna stranica: <https://www.pdx.edu/ece/pejcinovic>

### **OBRAZOVANJE**

1990 – Ph.D., University of Massachusetts, Amherst

1986 – M.S., University of Massachusetts, Amherst

### **RADNO ISKUSTVO**

1992 – danas – Redovni profesor u trajnom zvanju, Portland State University

1990 – 1992 – Post-doktorski rad u IBM-u, East Fishkill, NY, USA

1984 – 1990 – Istraživač, University of Massachusetts, Amherst, MA, USA

### **STIPENDIJE I NAGRADE**

2005 – Maseeh College of Engineering and Computer Science Departmental Teaching Award

### **SUDJELOVANJE I VOĐENJE PROJEKATA**

2009 – 2011 - THz Detection and Sensing Using Nanostructures, PSU, Oregon Nanoscience and Microtechnologies Institute

2007 – 2008 - Measurement and Modeling of Signal Integrity in Mixed-mode Circuits, FER, Nacionalna zaklada za znanost Republike Hrvatske.

2001 – 2002 - Investigation of Non-Silicon Logic Transistors with Cut-off Frequencies Beyond 200 GHz, PSU, Intel

### **MENTORSTVA STUDENATA, DOKTORANADA I POSLIJEDOKTORANADA**

1992 – danas - Petnaest (15) M.S., dva (2) Ph.D. (doktori), Ustanova: Portland State University

### **NASTAVNE AKTIVNOSTI**

1992 – danas – Područje elektrotehnike, Ustanova: Portland State University, Portland, Oregon, USA. Predavač na:

- Prva godina dodiplomskog studija: Istraživanje elektrotehnike, Inženjersko računarstvo
- Druga godina dodiplomskog studija: Električki slopovi 1, Sveučilišni studiji – Sloboda, privatnost i tehnologija.
- Treća godina dodiplomskog studija: Primijenjena elektromagnetika 1 i 2
- Četvrta godina dodiplomskog studija: Mikrovalni sklopovi 1 i 2
- Poslijediplomski studij: Elektronika čvrstog stanja 1 i 2, Učinski poluvodički elektronički elementi

### **ORGANIZACIJA ZNANSTVENIH SKUPOVA**

2005 – Int. Symposium on Industrial Electronics (ISIE), Special sessions chair

2004 – MELECON, Dubrovnik, Croatia, TPC Chair

2002 – Intl. Conference on Circuits, Electronics and Systems (ICECS), Dubrovnik, Croatia, TPC Chair

2000 – 2003 – Intl. Microwave Symposium (IMS), Member of Technical Program Committee

### **OBVEZE U USTANOVU**

2004 – 2012 - Associate Chair for Undergraduate Education, ECE department, Portland State University

2002 – danas - Direktor IC Design and Test Laboratorija, ECE department, Portland State University

### **ČLANSTVA**

1984 – danas – Institute of Electrical and Electronics Engineers (IEEE), Senior Member

2009 – danas – American Society for Engineering Education (ASEE), Member

### **NAJVAŽNIJE ZNANSTVENE SURADNJE**

Prof. Adrijan Barić, Električna mjerenja i simulacije na visokim frekvencijama, FER, Zagreb, Hrvatska

Prof. Praveen Shekar, Karakterizacija YSZ materijala, Washington State University, Vancouver, WA, USA

Prof. Lisa Zurk, Mjerenja na THz frekvencijama, Portland State University, Portland, Oregon, USA

Prof. T. Suligoj, Karakterizacija pure-B materijala, FER, Zagreb, Hrvatska

### **POPIS ODABRANIH PUBLIKACIJA**

- R. Bass, B. Pejcinovic, J. Grant, Applying Scrum Project Management in ECE Curriculum, Frontiers in Education Conference (FIE) 2016, Erie, PA, 2016. DOI: 10.1109/FIE.2016.7757568 .
- K.S. Fant, B. Pejcinovic, P.Wong, Exploring Proficiency Testing of Programming Skills in Lower-division Computer Science and Electrical Engineering Courses, 2016 ASEE Annual Conference and Exposition, New Orleans, 2016. DOI: 10.18260/p.26857
- R. Campbell and B. Pejcinovic, Project-Based RF/Microwave Education, European Microwave Conference, Paris, France, 2015. DOI: 10.1109/EuMC.2015.7346011
- B. Pejcinovic, Using Systematic Literature Reviews to Enhance Student Learning, 2015 ASEE Annual Conference and Exposition, Seattle, WA, 2015. DOI: 10.18260/p.25021
- P. Wong and B. Pejcinovic, Teaching MATLAB and C Programming in First Year Electrical Engineering Courses Using a Data Acquisition Device, 2015 ASEE Annual Conference and Exposition, Seattle, WA, 2015. DOI: 10.18260/p.24817.
- B. Pejcinovic, G. Recktenwald, D. Duncan, P.K. Wong and M. Faust, Assessment of Student Preparedness for Freshman Engineering Courses Through Assessment of Math Background, Frontiers in Education Conference (FIE) 2014, Madrid, Spain, 2014. DOI: 10.1109/FIE.2014.7044006
- T. Mandic, B. Pejcinovic, and A. Baric, Comparison of simulation and measurements of time-domain field-to-line coupling in TEM cell, Intl. Symposium on Electromagnetic Compatibility, 2014, pp. 681-685. DOI: 10.1109/EMCEurope.2014.6930991
- B. Pejcinovic and P. K. Sekhar, Investigation of dielectric and conductivity properties of YSZ, in 39th Intl. Conference on Infrared, Millimeter, and Terahertz waves (IRMMW-THz), 2014. DOI: 10.1109/IRMMW-THz.2014.6956107

- F. Kernan, A. Nadarajah, J.A. Higgins, B. Pejcinovic, R. Koenenkamp, Terahertz Characterization of Zinc Oxide Nanowires Using Parallel-Plate Waveguides, IEEE NANO 2011 conference, Portland, OR, August 2011.  
DOI: 10.1109/NANO.2011.6144450