



PHD POSITIONS IN THE AREA OF WIRELESS COMMUNICATIONS FOR 5G SYSTEMS AND BEYOND

The Department of Digital Systems of the University of Piraeus invites applications for fully-funded PhD positions in the area of 5G systems and beyond focusing on Ultra Dense Networks, THz communications and NFV/SDN systems.

Research Focus

- Fundamentals study, theoretical analysis, design and performance evaluation of advanced wireless access technologies for 5G systems and beyond, including innovative approaches, such as Ultra Dense Networks, D2D and THz communications
- Theoretical analysis, design and optimization of novel -physical and virtual- resources management techniques for future architecture based on virtualization principles (NFV/SDN)

Research Framework

The research will be conducted in the framework of H2020 European projects. The start date for the job position is July 2017.

Applicant Profile

- Academic excellence - Undergraduate and Master's degree in Electrical Engineering, Digital Systems and Information and Communications Technologies
- Excellent knowledge of wireless communications;
- Solid mathematical background with a focus on some of the following aspects: information theory, stochastic signal processing, wireless access technologies, wireless channel modeling, resource management and optimization
- Excellent knowledge of Matlab and C/C++;
- Proficient in English (written and spoken);
- Excellent analytical skills, ability to work autonomously and as part of a team.

Research team

The Broadband Communications Systems Group is part of the department of Digital Systems, University of Piraeus, Greece. Its research focus is on future communications networks and technologies, and, in particular, 5G ultra-dense wireless networks. Topics of interest range from advanced physical layer procedures and algorithms to radio resource management and future network architectures.

Contact Details

Applications should be sent, **BY 29 JUNE 2017**, by email to Angeliki Alexiou (alexiou@unipi.gr), including:

- A cover letter indicating the candidate's research interests;
- Detailed curriculum vitae;
- Contact details of at least two referees.