



## POSTDOCTORAL 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 Post-Doc 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 - PhD in wireless communications, with a strong record of publications in major international journals and conferences;
- Excellent knowledge of 4G/beyond 4G cellular networks;
- Solid mathematical background with a focus on some of the following aspects: information theory, stochastic optimization, and resource allocation in heterogeneous networks;
- Excellent knowledge of Matlab and C/C++;
- Proficient in English (written and spoken);
- Excellent analytical and research 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, including a list of publications;
- Contact details of at least two referees.