



In the context of the HORIZON 2020 FET-OPEN project [VISORSURF: A Hardware Platform for Software-driven Functional Metasurfaces](#)

the Department of Computer Science of the University of Cyprus cordially invites you to a workshop organized by the Department of Computer Science, University of Cyprus, and the Foundation of Research and Technology-Hellas (FORTH), Greece

on Monday 28 January 2019, with title

## [New Research Directions in Communications](#)

Lecture Room FST01-148

For information:  
Department of Computer Science, UCY, 22892700

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Πανεπιστήμιο Κύπρου  
Τμήμα Πληροφορικής

## WORKSHOP PROGRAM

### Monday, 28 January 2019

- 10:00 – 10:20 *The UE-based Virtual Base Station Concept in 5G Mobile Networks*  
Christoforos Christoforou, University of Cyprus
- 10:20 – 10:40 *Intelligent approaches in D2D in 5G Mobile Networks,*  
Iacovos Ioannou, RISE (Research centre on Interactive media, Smart systems and Emerging technologies), Cyprus
- 10:40 – 11:00 *Fault-Adaptive Routing for the HyperSurface Controller Network*  
Taqua Khairy and Dimitrios Kouzapas, University of Cyprus
- 11:00 – 11:30 *Distribution of Complexity and Control in Massive MIMO*  
Harun Siljak, Trinity College Dublin, Ireland
- 11:30 – 12:00 Coffee break
- 12:00 – 13:00 Keynote: *Underwater Communication Challenges in the Next Decade*  
Ian Akyildiz, Georgia Institute of Technology, USA
- 13:00 – 13:40 Working Lunch
- 13:40 – 14:00 *A Framework of 3-Dimensional Channel Modelling for Indoor Environments Using the Hypersurface*  
Rashi Mehrotra, University of Erlangen, Germany (via skype)
- 14:00 – 14:30 *Programmable Wireless Environments for Multi-User Multi-Objective Networking*  
Christos Liaskos, Foundation of Research and Technology-Hellas (FORTH), Greece  
Andreas Pitsillides, University of Cyprus
- 14:30 – 15:00 *Feedback-based Beam Steering Using Metasurfaces*  
Marios Lestas, Frederick University, Cyprus
- 15:00 – 15:30 Discussion
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