OVERVIEW OF THE NODES RESEARCH GROUP AND INTERNET OF THINGS RESEARCH

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ABSTRACT: In this talk, I will give an overview of the Department of Computer Science and the NODES research group at the University of Helsinki. The talk addresses the core technological enablers necessary for future scalable, secure and adaptive digital services. The talk focuses on networking and distributed systems research and presents a summary of our results pertaining to the Internet of Things and ubiquitous computing.

BIOGRAPHY: Sasu Tarkoma is a Professor of Computer Science at the University of Helsinki, and Deputy Head of the Department of Computer Science. He is also affiliated with the Helsinki Institute for Information Technology HIIT and a member of the board of Helsinki Doctoral Education Network in Information and Communications Technology (HICT). He has authored 4 textbooks and has published over 50 journal articles and book chapters. His h-index is 25. His research interests are Internet technology, distributed systems, data analytics, and mobile and ubiquitous computing. He is a member of the Finnish Union of University Professors, Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), Professional Member of the Association for Computing Machinery (ACM). He has managed and participated in national and international research projects at the University of Helsinki, Aalto University, and Helsinki Institute for Information Technology (HIIT). He is the Academic Coordinator of the Internet of Things Digile SHOK program (2012-2015). He is a member of the editorial board of the Computer Networks Journal and member of organizing and scientific committees of many international conferences.