

## Title: Mobile positioning in heterogeneous environment

Summary: The lecture is focused on mobile positioning in heterogeneous environment. Location based services are provided in outdoor and indoor. Mobile positioning can be done by separate positioning systems. It can be different devices or applications. Users do not want to have more devices (applications) for same kind of service, e.g. mobile phone, GNSS receiver. Currently, it is crucial issue “how to perform ubiquitous positioning”. The lecture will deal with research and implementation of ubiquitous positioning solution.

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- received his Master of Science in Telecommunications and the Ph.D. degree in Mobile radio communications from the University of Zilina, Slovakia, in 2002 and 2006, respectively. His doctoral work was in the area of the mobile positioning.
- currently works as associate professor at Department of Telecommunications and Multimedia at the University of Zilina (FEE). His research interests include wireless positioning in cellular, ad hoc networks, satellite navigation systems, location based services and intelligent transport systems.
- spent 3 months as researcher at the Wireless Telecommunications Laboratory, University of Patras, Greece.
- is an author of more than 30 scientific articles and book chapters focused on positioning in wireless networks.
- chairman of the Special Session on User Adaptive Systems for mobile Wireless Systems
  - ACIIDS 2011, The 3rd Asian Conference on Intelligent Information and Database Systems, April 20-22, 2011 Daegu, Korea. Lecture Notes in Artificial Intelligence, LNCS Vol. 6592/2011. (Eds.). Springer-Verlag, Berlin, Heidelberg.
  - ACIIDS 2012, The 4th Asian Conference on Intelligent Information and Database Systems, March 19-21, 2012 Kaohsiung, Taiwan. LNCS, Springer-Verlag, Berlin, Heidelberg.
- chairman of the Special Session on Smart Solutions in Computational Collective Intelligence (SmartS 2012), The 4th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI 2012), Ho Chi Minh city, Vietnam, 28-30 November, 2012
- serves as an external reviewer for the Wireless Personal Communications Journal (Springer) and other journal and conferences in area of mobile positioning.
- is a member of several organizing and scientific committees of international conferences and workshops. He was editor of several special journal issues and conference proceedings.
- is member of IEEE.
- is member of ICST (The Institute for Computer Sciences, Social Informatics and Telecommunications Engineering) <http://www.icst.org/>.
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