

3rd Workshop on Positioning, Navigation and Communication 2006 (WPNC'06) 16th March 2006

Time	Program Morning Session
08:00 - 09:00	Registration (coffee & light breakfast)
	Morning Session <i>Chair: Prof. Dr.-Ing. K. Jobmann</i>
09:00 – 09:10	Welcome Speech: <i>Prof. Dr.-Ing. K. Jobmann</i>
09:10 – 09:30	Keynote Address <i>Prof. Dr.-Ing. Kaiser</i>
09:30 – 9:50	UWB Geo-Regioning - Algorithm and Performance <i>F. Althaus, C. Steiner, A. Wittneben</i> Communication Technology Laboratory Swiss Federal Institute of Technology Zurich
09:50 – 10:10	Performance and Accuracy Test of the WLAN Indoor Positioning System "ipos" <i>G. Retscher, E. Moser, D. Vredeveld, D. Heberling</i> Institute of Geodesy and Geophysics, Vienna University of Technology IMST GmbH, Germany
10:10 – 10:45	Coffee Break
10:45 – 11:05	Enhanced Code Acquisition in Global Positioning Radio Systems <i>F. Benedetto, G. Giunta, A. Neri, L. Vandendorpe</i> Digital Signal Processing and Multimedia Communications Laboratory, University of Roma, Italy Communications and Remote Sensing Laboratory Université catholique de Louvain, Belgium
11:05 – 11:25	Pedestrian Dead Reckoning: A Basis for Personal Positioning <i>S. Beauregard, H. Haas</i> School of Engineering and Science, International University Bremen, Germany
11:25 – 11:45	A new Particle Filter for Localization of a Mobile Base Station Based on Microwave Backscatter <i>H. Qasem, C. Ament, L. Reindl</i> Institute of Microsystems Technology, Freiburg University, Germany
11:45 – 12:15	Poster Teaser
12:15 – 14:00	Light Lunch

Time	Program Afternoon Session	
13:00 – 14:00	Poster Session Chair: H. Scheibner	
	Track A Chair: Prof. Dr.-Ing. K. Kyamakya	Track B Chair: Prof. Dr. techn. S. Boll
14:00 – 14:20	On Impact of Topology and Cost Function on LSE Position Determination in Wireless Networks <i>V. Dizdarević, K. Witrisal</i> SPSC Laboratory Graz University of Technology, Austria	Local Positioning with Parallelepiped Moving Grid <i>N. Sirola, S. Ali-Löytty</i> Tampere University of Technology, Finland
14:20 – 14:40	On the Applicability of Deterministic Modelling to Indoor UWB Channels <i>J. Jemai, P. Eggers, G. F. Pedersen, T. Kürner</i> Institute for Communications Technology, Braunschweig Technical University Center for PersonKommunikation, Aalborg University, Denmark	Particle Filtering of Database assisted Positioning Estimates using a novel Similarity Measure for GSM Signal Power Level Measurements <i>S. Peschke, R. Haeb-Umbach</i> University of Paderborn, Germany
14:40 – 15:00	Indoor Positioning with UWB Beamforming <i>C. Senger, T. Kaiser</i> University of Duisburg-Essen, Germany	Dynamic GPS-position correction for mobile pedestrian navigation and Orientation <i>J. D. Martin, J. Krösche, S. Boll</i> University of Oldenburg, Germany Upper Austria University of Applied Sciences, Hagenberg, Austria OFFIS, Germany
15:00 – 15:40	Coffee Break & Snacks	
15:40 – 16:00	WLAN Indoor Positioning Based on Euclidean Distances and Fuzzy Logic <i>A. Teuber, B. Eissfeller</i> Institute of Geodesy and Navigation, University FAF Munich, Germany	Field trial on GPS Accuracy in a medium size city: The influence of built-up <i>M. Modsching, R. Kramer, K. ten Hagen</i> University of Applied Sciences Zittau/Görlitz, Germany
16:00 – 16:20	Propagation Delay Based Positioning Using IEEE 802.11b Signals <i>G. Rahmatollahi, S. Galler, J. Schroeder, et al.</i> Institute of Communications Engineering University of Hannover, Germany	Blind Localization of 3G Mobile Terminals in Multipath Scenarios <i>V. Algeier, B. Demissie, W. Koch, et al.</i> Ilmenau University of Technology, Germany Research Institute for Communication, Information Processing and Ergonomics, Germany
16:20 – 16:30	Closing	
16:30 –	Cold Beer Session	

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Program Poster Session
<i>Chair: H. Scheibner</i>
Replication of local road networks for regional information dissemination in VANETS <i>B. Roessler, C. Bruns</i>
Low-Cost Sonic-Based Indoor Localization for Mobile Robots <i>D. Wehden, R. Salomon, M. Schneider</i>
Closer to Reality: Simulating Localization Algorithms Considering Defective Observations in Wireless Sensor Networks <i>F. Reichenbach, M. Koch, D. Timmermann</i>
Complexity Considerations for Unambiguous Acquisition of Galileo Signals <i>A. Burian, E. S. Lohan, V. Lehtinen, M. Renfors</i>
Algorithms for Audiovisual Speaker Localisation in Reverberant Acoustic Environments <i>C. Voges, V. Märgner, R. Martin</i>
As improved simulation model for Nakagami-m fading channels for satellite positioning applications <i>E. Pajala, T. Isotalo, A. Lakhzouri, E. S. Lohan</i>
Pre-processing of Data in RSS Signature-Based Localization <i>C. M. Takenga, K. Kyamakya</i>
The Design of Embedded GPS Navigation System Based on Internet Structure <i>S. Chen, F. Kao</i>
On the Polarization Diversity Performance of Log.-Per. Multiarm-Antennas for MBOFDM UWB Communications <i>O. Klomp, G. Armbrecht, H. Eul</i>
An Optical Indoor Positioning System for the Mass Market <i>O. Maye, J. Schaeffner, M. Maaser</i>
An Indoor Localization System Based on DTDOA for Different Wireless LAN Systems <i>F. Winkler, E. Fischer, E. Grass, P. Langendörfer</i>
Precise Positioning in Realtime using Navigation Satellites and Telecommunication <i>A. Rietdorf, C. Daub, P. Loef</i>

Wireless Internet Access: IEEE 802.11b | SSID: WPNC | No Encryption | IP via DHCP