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WELCOME TO THE INSS 2007 Conference

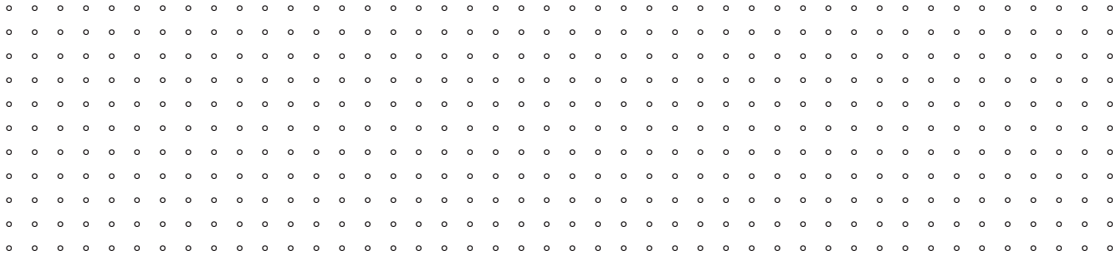
INSS 2007 is the Fourth Annual Conference with a selective single-track technical program. Its aim is to provide a platform where researchers from academia and industry come together to discuss and address technical problems and solutions in these research areas.

The strong growth in networking technologies including wireless communications and the Internet and the ever increasing advancements in miniature sensors and low power microelectronics have brought researchers from various fields to develop an emerging multidisciplinary of networked sensor systems and applications. Such technology is expected to change the way how information is generated, processed, and communicated based on a large number of sensor nodes deployed for a specific application. Addressing these critical issues requires researchers from various disciplines to communicate effectively and collaborate together. The International Conference on Networked Sensing Systems invites outstanding research papers from the field of sensor technology, wireless networking or application of networked sensor systems. The conference especially encourages submissions that are suitable and should be of interest for the researchers from all three fields.



BRAUNSCHWEIG: CITY OF THE LION

Braunschweig, the city of Henry the Lion, is a city that has been developing for over 1,000 years. You can reach out and touch its history. The city's modern buildings blend attractively with its past, presenting 21st century architecture alongside mediaeval sights. You are invited to stroll through the covered shopping centres that are flooded with light in the extensive pedestrian zone with its elegant boutiques and appealing shops. The lovely green parks in the city centre, the Botanical Gardens and the extensive recreational areas outside the city are perfect to relax in and take a break - Why not let yourself unwind?



GENERAL INFORMATION

Conference Meeting Room Locations

All rooms are located in the Pockelsstraße 11 building of the University of Braunschweig

- Plenary Session - Auditorium, third floor
- Posters - lobby, first floor
- Demos - top level of the Auditorium
- BoF's will be held in two parallel sessions in the following rooms:
- BoF A - Hardware, Networks, and Algorithms Auditorium
- BoF B - Middleware, System, and Application Room PK11.5, second floor
- Tutorials and Workshops will be held in the Mühlenpfordtstraße 23 building.

Posters, BoF Posters and Demonstrations

Posters and BoF Posters will be on display throughout the Conference. All poster, BoF and demonstration papers are included in the Proceedings. Presenters will be available for questions during the following times:

Thursday, June 7	Friday, June 8
09:50 - 10:10	10:20 - 10:40
11:30 - 11:40	12:40 - 13:40
12:40 - 14:00	16:00 - 16:20

Breaks and Lunch

Mid-morning and afternoon breaks will be served in the lobby on the first floor. Lunch will also be served there.

Evaluation

A Conference Evaluation Form is included with your material. Your feedback is very

important to the improvement and development of this Conference. Please return your completed form to the Registration Desk.

Chimes

The chimes will ring 5 minutes before the end of each scheduled break. The sessions will begin on time, so please return to the room when you hear the chimes.

Name Badges

All attendees must wear their name badge at all times to gain admission to all sessions and meal functions.

Meeting Room Logistics

Please contact the Conference Registration Desk if you find the temperature in the room uncomfortable or you are unable to hear or see because of equipment difficulties.

Smoking

The meeting rooms and seated functions are smoke free. Please regard the smoking policy of the University.

Cellular Phones, Beepers and Watch Alarms

Out of courtesy to our speakers and other attendees, please turn off any cellular phones, pagers and watch alarms during sessions.

Cameras and Tape Recorders

Cameras and tape recorders are strictly prohibited in all Conference Areas and will be confiscated.

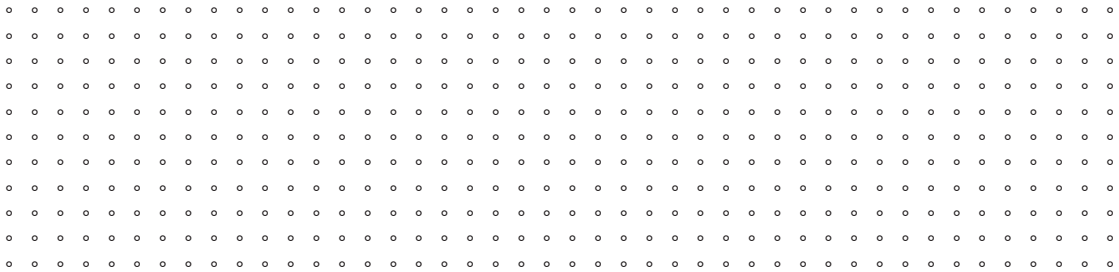
GETTING HELP

For emergencies only you may reach the local contact, Daniel Röhr, at +49-157-7470-9303.

During Conference hours you may call the registration desk at +49-531-391-4490.

WEDNESDAY, JUNE 6, 2007

08:00-09:00	REGISTRATION
09:00-17:00	TUTORIAL 1 FAST PROTOTYPING OF WIRELESS SENSOR NETWORKS Jan Beutel, ETH Zurich, SWITZERLAND
09:00-12:00	TUTORIAL 2 ENERGY IN WIRELESS SENSOR NETWORKS Raquel A.F. Mini, Pontifical Catholic University of Minas Gerais, BRAZIL Antonio A.F. Loureiro, Federal University of Minas Gerais, BRAZIL
13:00-17:00	TUTORIAL 3 INTRODUCTION TO RFID TECHNOLOGY Matthias Lampe, ETH Zurich, SWITZERLAND
13:00-17:00	WORKSHOP 1 INTERNATIONAL WORKSHOP ON SENSOR WEBS, DATABASES, AND MINING IN NETWORKED SENSING SYSTEMS (SWDMNSS) Chairs: Yoh Shiraishi, University of Tokyo, JAPAN and Christian Decker, University of Karlsruhe, GERMANY
10:00-15:00	WORKSHOP 2 THE 1ST INTERNATIONAL WORKSHOP WIRELESS SENSOR NETWORKS FOR HEALTH CARE (WSNHC 2007) Chair: Leo Selavo, University of Virginia, USA
17:00-19:00	TUTORIAL AND WORKSHOP RECEPTION
12:00-13:00	LUNCH
	BREAKS: COFFEE AND REFRESHMENTS ARE AVAILABLE THROUGHOUT THE DAY IN THE LOBBY ON THE 3RD FLOOR (1. OBERGESCHOSS).



THURSDAY, JUNE 7, 2007

08:00	REGISTRATION
09:00	OPENING REMARKS
OPENING KEYNOTE	
Session Chair: Shigeru Ando, University of Tokyo, JAPAN	
09:10	PLENTY OF OPPORTUNITY AS WELL AS "ROOM AT THE BOTTOM" - SOME EXAMPLES IN OPTICAL MEMS Richard S. Muller University of California, Berkeley, USA
09:50	COFFEE BREAK AND POSTER & DEMO REVIEW
SESSION 1 WIRELESS SENSOR NETWORKS I	
Session Chair: Christian Decker, University of Karlsruhe, GERMANY	
10:10	DESIGNING A HIGH-RELIABILITY LOW POWER STATUS MONITORING PROTOCOL A. Meier, J. Beutel, R. Lim, and L. Thiele ETH Zurich, SWITZERLAND
10:30	A SYNCHRONIZATION-BASED DATA GATHERING SCHEME IN UNSTABLE RADIO ENVIRONMENTS N. Wakamiya, S. Kashiara, and M. Murata Osaka University, JAPAN
10:50	QoD ADAPTATION FOR ACHIEVING LIFETIME PREDICTABILITY OF WSN NODES COMMUNICATING OVER SATELLITE LINKS M. Amirijoo ¹ , S.H. Son ² , and J. Hansson ³ ¹ Linköping University, SWEDEN, ² University of Virginia, USA, and ³ Carnegie Mellon University, USA
11:10	EMPIRICAL ANALYSIS OF TRANSMISSION POWER CONTROL ALGORITHMS FOR WIRELESS SENSOR NETWORKS J. Jeong ¹ , D. Culler ¹ , and J.-H. Oh ² ¹ University of California, Berkeley, USA and ² United Technologies Research Center, USA
11:30	BREAK
SESSION 2 MEMS SENSORS	
Session Chair: Hideto Iwaoka, Kanazawa Institute of Technology, JAPAN	
11:40	RF-POWERED SILICON-MEMS MICROSENSORS FOR DISTRIBUTED AND EMBEDDED SENSING APPLICATIONS H. Takao ^{1,3} , S. Kizuna ¹ , K. Sawada ^{1,3} , M. Sudou ^{2,3} , and M. Ishida ^{1,3} ¹ Toyohashi University of Technology, JAPAN, ² Seiko Instruments Inc., JAPAN, and ³ JST-CREST, JAPAN
12:00	NON-CONTACT SENSING FOR HIGH-TEMPERATURE, CAPACITIVE MEMS SENSORS IN ACTIVE FUEL EMISSION CONTROL S.L. Garverick ¹ , A. Patil ¹ , and X. Yu ² ¹ Case Western Reserve University, USA and ² Broadcom Corporation, USA
12:20	APPLICATION OF MULTI-ENVIRONMENTAL SENSING SYSTEM IN MEMS TECHNOLOGY - MONITORING OF HUMAN ACTIVITY K. Maenaka, K. Masaki, and T. Fujita University of Hyogo, JAPAN
12:40	LUNCH AND POSTER & DEMO REVIEW

BOF A	HARDWARE, NETWORKS, AND ALGORITHMS Session Chair: Hiroyuki Shinoda, University of Tokyo, JAPAN
14:00 BoF-A1	PERFORMANCE IMPROVEMENT OF PASSIVE CLUSTERING ALGORITHM IN WIRELESS SENSOR NETWORKS H. Zeghilet Research Center on Scientific and Technical Information, ALGERIA
14:07 BoF-A2	SenriGan: A SENSED-POINT-DIRECTED GEOGRAPHIC ROUTING FOR SENSOR NETWORKS H. Ishizuka and Y. Tobe Tokyo Denki University, JAPAN
14:14 BoF-A3	ON OPTIMAL ROUTE OF A CALIBRATING MOBILE SINK IN A WIRELESS SENSOR NETWORK S. Nesamony, M.K. Vairamuthu, and M.E. Orlowska The University of Queensland, AUSTRALIA
14:21 BoF-A4	IMPROVEMENT OF CAR POSITIONING WITH MEASUREMENTS OF RELATIVE DISTANCE H. Hontani and Y. Higuchi Nagoya Institute of Technology, JAPAN
14:28 BoF-A5	CASE STUDIES ON A WIRELESS FIBRE BRAGG GRATING CONDITION MONITORING SYSTEM FOR ROTATING COMPOSITE CYLINDERS T. Myllylä, H. Lahtinen, H. Sorvoja, and R. Myllylä University of Oulu, FINLAND
14:35 BoF-A6	DESIGN AND DEPLOYMENT OF WIRELESS MONITORING SYSTEM FOR 4-20mA CURRENT LOOP SENSORS H. Sasaki and K. Ueda Yamatake Corporation, JAPAN
14:42 BoF-A7	ENERGY AND COVERAGE AWARE ROUTING ALGORITHM IN SELF ORGANIZED SENSOR NETWORKS J. Salzmann, S. Kubisch, F. Reichenbach, and D. Timmermann University of Rostock, GERMANY
14:49 BoF-A8	GESTURE CLASSIFICATION WITH HIERARCHICALLY STRUCTURED RECURRENT SELF-ORGANIZING MAPS V. Baier ¹ , L. Mösenlechner ² , and M. Kranz ³ ¹ Universität München, GERMANY, ² Technische Universität München, GERMANY, and ³ Technical University of Braunschweig, GERMANY
14:56 BoF-A9	CAPTABLE & CAPSHELF - UNOBTRUSIVE ACTIVITY RECOGNITION USING NETWORKED CAPACITIVE SENSORS R. Wimmer ¹ , M. Kranz ¹ , S. Boring ¹ , and A. Schmidt ² ¹ University of Munich, GERMANY and ² Univeristy of Bonn, GERMANY
15:03 BoF-A10	COOPERATIVE TRANSMISSION SCHEME IN DISTRIBUTED SENSOR NETWORK FOR EXTENSION OF TRANSMISSION RANGE K. Nakao ¹ , T. Yamazato ¹ , M. Katayama ¹ , and H. Okada ² ¹ Nagoya University, JAPAN and ² Niigata University, JAPAN
15:10 BoF-A11	CLASSIFICATION OF ANALYSIS TECHNIQUES FOR WIRELESS SENSOR NETWORKS V. Prasad and S.H. Son University of Virginia, USA
15:17 BoF-A12	MODELING ATTACK DISTRIBUTION IN SENSOR NETWORKS X. Chen, K. Makki, K. Yen, and N. Pissinou Florida International University, USA
15:24 BoF-A13	NOVEL SENSOR AND ALGORITHM FOR MOTION TRACKING IN INDOOR AND OUTDOOR ENVIRONMENTS D. Wei, P. Masurel, T. Kurihara, and S. Ando The University of Tokyo, JAPAN
15:31 BoF-A14	ANALYSIS OF GLUCOSE CONCENTRATION IN INTERSTITIAL FLUID BY MICRO SURFACE PLASMON RESONANCE SENSOR D. Li ^{1,2} , X. Huang ¹ , H. Yu ¹ , X. Hu ¹ , K. Xu ¹ , R.C. Roberts ² , and N.C. Tien ² ¹ Tianjin University, CHINA and ² Case Western Reserve University, USA

BOF B	MIDDLEWARE, SYSTEM, AND APPLICATION Session Chair: Susanna Pirttikangas, University of Oulu, FINLAND
14:00 BoF-B1	DESIGN AND APPLICATIONS OF MARINE BROADBAND FRAMEWORK FOR FISHERIES M. Wada ¹ , K. Hatanaka ² , and M. Toda ¹ ¹ Future University-Hakodate, JAPAN and ² Tokyo University of Agriculture, JAPAN
14:07 BoF-B2	A TANGIBLE USER INTERFACE AS INTERACTION AND PRESENTATION DEVICE TO A SOCIAL LEARNING SOFTWARE K. Leichtenstern ¹ , E. André ¹ , E. Lösch ¹ , M. Kranz ² , and P. Holleis ² ¹ University of Augsburg, GERMANY and ² University of Munich, GERMAY
14:14 BoF-B3	3D MEASUREMENT BY DISTRIBUTED CAMERA SYSTEM FOR CONSTRUCTING AN INTELLIGENT ROOM K. Irie, M. Wada, and K. Umeda Chuo University, JAPAN
14:21 BoF-B4	EXTRACTING HUMAN BEHAVIORS WITH INFRARED SENSOR NETWORK S. Honda, K. Fukui, K. Moriyama, S. Kurihara, and M. Numao Osaka University, JAPAN
14:28 BoF-B5	S2B2: BLACKBOARD FOR TRANSPARENT DATA AND CONTROL ACCESS IN HETEROGENEOUS SENSING SYSTEMS M. Beigl ¹ , M. Beuster ¹ , D. Röhr ¹ , T. Riedel ² , C. Decker ² , and A. Krohn ³ ¹ Technical University of Braunschweig, GERMANY, ² University of Karlsruhe, GERMANY, and ³ Particle Computer, GERMANY
14:35 BoF-B6	FABRICATION OF MULTILAYER INTERCONNECTION USING ULTRAVIOLET NANOIMPRINT LITHOGRAPHY H. Ono, S. Shoji, J. Mizuno, and M. Saito Waseda University, JAPAN
14:42 BoF-B7	A USER-CENTRIC APPROACH FOR INTERACTIVE VISUALIZATION AND MAPPING OF GEO-SENSOR DATA Y. Shiraishi The University of Tokyo, JAPAN
14:49 BoF-B8	GRAPHICALLY GEO-CODING OF SENSOR SYSTEM INFORMATION C. Decker ¹ , T. Riedel ¹ , P. Scholl ¹ , A. Krohn ¹ , and M. Beigl ² ¹ University of Karlsruhe, GERMANY and ² Technical University of Braunschweig,GERMANY
14:56 BoF-B9	StarBED2: TESTBED FOR NETWORKED SENSING SYSTEMS J. Nakata, R. Beuran, T. Miyachi, K. Chinen, S. Uda, K. Masui, Y. Tan, and Y. Shinoda National Institute of Information and Communications Technology, JAPAN, and Japan Advanced Institute of Science and Technology, JAPAN
15:03 BoF-B10	SOI-MEMS SENSOR FOR MULTI-ENVIRONMENTAL SENSING-SYSTEM T. Fujita, Y. Fukumoto, F. Suzuki, and K. Maenaka University of Hyogo, JAPAN
15:10 BoF-B11	AUTOMATIC COMPOSITION OF SENSOR DATA FOR BEHAVIOR-DRIVEN APPLICATION IN SMART ROOM H. Noguchi ¹ , T. Mori ² , and T. Sato ² ¹ Japan Science and Technology Agency, JAPAN and ² The University of Tokyo, JAPAN
15:17 BoF-B12	EXPERIMENTAL APPLICATIONS OF MAPPING SERVICES IN WIRELESS SENSOR NETWORKS J. Shuttleworth, M. Hammoudeh, E. Gaura, and R. Newman Coventry University, UK
15:24 BoF-B13	BROWNIE: SEARCHING CONCEALED REAL WORLD ARTIFACTS S. Satake ¹ , H. Kawashima ² , and M. Imai ³ ¹ Graduate School of Keio University, JAPAN, ² University of Tsukuba, JAPAN, and ³ Keio University, JAPAN
15:31 BoF-B14	KRAFT: A REAL-TIME ACTIVE DBMS FOR SIGNAL STREAMS H. Kawashima University of Tsukuba, JAPAN
15:38 BoF-B15	A VERSATILE NETWORKED SENSING SYSTEM AS ADD-ON SYSTEM FOR AUGMENTING SPORTS DEVICES A. Kräss and M. Kranz Research Group Embedded Interaction, GERMANY

SPECIAL EVENT: VOLKSWAGEN’S AUTOSTADT

Participants of the Conference are invited to the Autostadt, a famous theme park of Germany’s prominent motor manufacturer Volkswagen, who has for years been closely related to the region and, in particular, to the city of Wolfsburg.

The Autostadt, which is located directly next to Volkswagen’s headquarter, attracts thousands of visitors daily to view and learn about Volkswagen brands such as Bentley, Audi and Lamborghini. It offers both entertainment and information – on car technologies, historical developments and future prospects.

Our program schedule includes a guided tour and a joint dinner in Wolfsburg.

You will get to see the different pavilions of the diverse VW car brands and experience some of the top sites of the park, such as “Investor Relations”, “CarDesign Studio”, “Zeithaus” and the astounding “Car Towers”. Please join us for an interesting overview and have an enjoyable and extremely captivating visit to the park.

Meeting Place: Thursday, June 7, 16:00, buses will depart outside the main entrance of the Conference building.



FRIDAY, JUNE 8, 2007

SESSION 3 | SMART SPACES

Session Chair: Sang Hyuk Son, University of Virginia, USA

9:00	A MIDDLEWARE FRAMEWORK FOR SHARING SENSOR NODES AMONG SMART SPACES J. Nakazawa and H. Tokuda Keio University, JAPAN
9:20	SENSING TECHNOLOGIES AND THE PLAYER-MIDDLEWARE FOR CONTEXTAWARENESS IN KITCHEN ENVIRONMENTS M. Kranz ¹ , A. Schmidt ¹ , B. Hörnler ² , G. Rigoll ² , R.B. Rusu ² , A. Maldonado ² , and M. Beetz ² ¹ University of Munich, GERMANY and ² Technische Universität München, GERMANY
9:40	A METHOD FOR ESTIMATING POSITION AND ORIENTATION WITH A TOPOLOGICAL APPROACH USING MULTIPLE INFRARED TAGS Y. Nakamura ¹ , Y. Namimatsu ² , N. Miyazaki ² , Y. Matsuo ¹ , and T. Nishimura ¹ ¹ AIST, JAPAN and ² Alpha Systems, Inc., JAPAN
10:00	UDSS: SENSOR DEVICE FOR CONTEXT AWARENESS IN HOME NETWORK T. Matsuura, K. Hisazumi, T. Kitasuka, T. Nakanishi, and A. Fukuda Kyushu University, JAPAN
10:20	COFFEE BREAK AND POSTER & DEMO REVIEW

SESSION 4 | SURFACE NETWORKS AND ALGORITHMS

Session Chair: Hideyuki Nakashima, Future University-Hakodate, JAPAN

10:40	SURFACE SENSOR NETWORK USING INDUCTIVE SIGNAL TRANSMISSION LAYER H. Shinoda ¹ , Y. Makino ¹ , N. Yamahira ¹ , and H. Itai ² ¹ The University of Tokyo, JAPAN and ² Cellcross Co. Ltd., JAPAN
11:00	THREE-DIMENSIONAL SHAPE CAPTURE SHEET USING DISTRIBUTED TRIAXIAL ACCELEROMETERS T. Hoshi, S. Ozaki, and H. Shinoda The University of Tokyo, JAPAN
11:20	MAGIC SURFACES: A SMART BUILDING MATERIAL FOR INDOOR SENSING INFRASTRUCTURES R. Kurakake ¹ , Y. Nishizawa ¹ , K. Sakakura ¹ , H. Ouchi ¹ , M. Minami ¹ , and H. Morikawa ² ¹ Shibaura Institute of Technology, JAPAN and ² The University of Tokyo, JAPAN
11:40	ADUMBRATE: MOTION DETECTION WITH UNRELIABLE RANGE DATA T. Parker and K. Langendoen Delft University of Technology, THE NETHERLANDS
12:00	PARTIAL DIFFERENTIAL EQUATION-BASED ALGORITHM OF SOUND SOURCE LOCALIZATION WITH FINEST GRANULARITY IN BOTH TIME AND FREQUENCY S. Ando, N. Ono, and Y. Fujita University of Tokyo, JAPAN
12:20	AN OCCLUSION ROBUST LIKELIHOOD INTEGRATION METHOD FOR MULTICAMERA PEOPLE HEAD TRACKING Y. Matsumoto, T. Kato, and T. Wada Wakayama University, JAPAN
12:40	LUNCH AND POSTER & DEMO REVIEW

13:40 | INVITED TALK

SNA-MEMS BATTERYLESS-WIRELESS SENSING MODULE UTILIZING RFID SYSTEM

Tomonori Seki¹, S. Sasaki¹, K. Imanaka¹, T. Toriyama², M. Kimata², and S. Sugiyama²

¹Omron Corporation, JAPAN and ²Ritsumeikan University, JAPAN

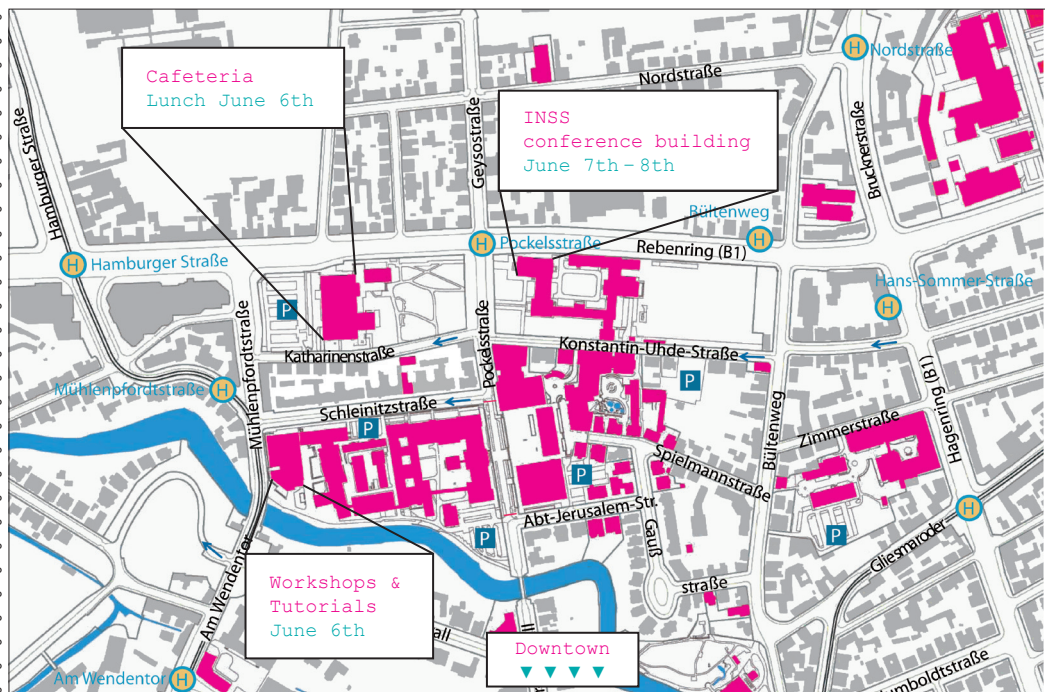
SESSION 5 | WIRELESS SENSOR NETWORKS II

Session Chair: Jan Beutel, ETH Zurich, SWITZERLAND

14:00	COORDINATION-FREE REPEATER GROUPS IN WIRELESS SENSOR NETWORKS A. Willig Technical University Berlin, GERMANY
14:20	LONG-TERM RELIABLE DATA GATHERING USING WIRELESS SENSOR NETWORKS V. Turau and C. Weyer Hamburg University of Technology, GERMANY
14:40	AIRY NOTES: AN EXPERIMENT OF MICROCLIMATE MONITORING IN SHINJUKU GYOEN GARDEN M. Ito, Y. Katagiri, M. Ishikawa, H. Tokuda Keio University, JAPAN
15:00	GRID MULTICAST: AN ENERGY-EFFICIENT MULTICAST ALGORITHM FOR WIRELESS SENSOR NETWORKS G. Zeng, C. Wang, L. Xiao Michigan State University, USA

P-9	SHAWN: THE FAST, HIGHLY CUSTOMIZABLE SENSOR NETWORK SIMULATOR S.P. Fekete ¹ , A. Krölller ¹ , S. Fischer ² , and D. Pfisterer ² ¹ University of Technology Braunschweig, GERMANY and ² University of Lübeck, GERMANY
P-10	TOWARDS COMPONENT REUSE IN MAC PROTOCOLS T. Parker, M. Bezemer, and K. Langendoen Delft University of Technology, THE NETHERLANDS
DEMOS	
D-1	A SENSOR AND ACTUATOR PROXY FOR CREATING CONTEXT-AWARE APPLICATIONS Y. Kawahara, M. Ozawa, N. Kawanishi, and H. Morikawa The University of Tokyo, JAPAN
D-2	AUTOANNOTATED SKATING MAPS T. Riedel ¹ , C. Decker ¹ , M. Berchtold ¹ , A. Krohn ² , and M. Beigl ³ ¹ University of Karlsruhe, GERMANY, ² Particle Computer GmbH, GERMANY, and ³ University of Braunschweig, GERMANY
D-3	AUTOMATED WIRELESS SENSOR NETWORK TESTING J. Beutel, M. Dyer, R. Lim, C. Plessl, M. Wöhrle, M. Yücel, and L. Thiele ETH Zurich, SWITZERLAND
D-4	GEOCODING SENSOR NETWORKS C. Decker ¹ , T. Riedel ¹ , M. Berchtold ¹ , P. Scholl ¹ , M. Isomura ² , M. Beigl ³ , D. Röhr ³ , and M. Beuster ³ ¹ University of Karlsruhe, GERMANY, ² KDDI, JAPAN, and ³ Technical University Braunschweig, GERMANY
D-5	INSTANT LEARNING SOUND SENSOR: FLEXIBLE ENVIRONMENTAL SOUND RECOGNITION SYSTEM Y. Negishi and N. Kawaguchi Nagoya University, JAPAN
D-6	INTEGRATING THE ANALYSIS OF USER / ASSET SPATIO-TEMPORAL RELATIONSHIPS FOR THE OPTIMIZATION OF MOBILE FIELD PROCESSES F. Berger, H.-J. Eikerling, and M. Benesch Siemens IT Solutions and Services, GERMANY
D-7	INVESTIGATING SENSOR NETWORKS WITH CONCURRENT SEQUENTIAL PROCESSES AND SMALLTALK C. Amariei and C. Teodorov Université De Bretagne Occidentale, FRANCE
D-8	NETWORK-ENABLED SENSING ROBOT EMULATION R. Beuran ^{1,2} , T. Okada ² , J. Nakata ^{1,2} , T. Miyachi ^{1,2} , K. Chinen ^{1,2} , Y. Tan ^{1,2} , and Y. Shinoda ^{1,2} ¹ National Institute of Information and Communications Technology, JAPAN and ² Japan Advanced Institute of Science and Technology, JAPAN
D-9	OPPORTUNISTIC REMOTE MEDICAL MONITORING USING BLUETORRENT J. Chen, D. Cho, J. Choi, T. Massey, H. Noshadi, M. Gerla, and M. Sarrafzadeh University of California, Los Angeles, USA
D-10	ROUTING TAGS AND PEGS: TWO GENERIC APPLICATION FRAMEWORKS FOR ADHOC MESH NETWORKS W. Olesinski ¹ , P. Gburzynski ² , and I. Nikolaidis ² ¹ Olsonet Communications, CANADA and ² University of Alberta, CANADA
D-11	THE PROPOSAL OF THE DIGITAL PLETHYSMOGRAPH USING A SENSOR NETWORK N Segawa ¹ , K. Yamazaki ² , Y. Hayasaka ¹ , and J. Sawamoto ¹ ¹ Iwate Prefectural University, JAPAN and ² Tokai University, JAPAN

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