# Conference Program

**4th European Conference on Smart Sensing and Context (EuroSSC2009)**

16-18 of September 2009, Centre for Communication Systems Research, University of Surrey, Guildford, UK

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<td>9:00-10:30</td>
<td>9:00-10:30</td>
<td>Second keynote</td>
<td>Technical session 5</td>
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<td>10:30-11:00</td>
<td>10:30-11:00</td>
<td>Coffee break</td>
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<td>11:00-12:30</td>
<td>Technical Session 2</td>
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<td>Technical session 6</td>
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<td>12:30-14:00</td>
<td>Registration</td>
<td>Lunch break</td>
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<td>14:00-15:30</td>
<td>Welcome message, and First keynote</td>
<td>Technical session 3</td>
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<td>15:30-16:00</td>
<td>Coffee break</td>
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<td>16:00-17:30</td>
<td>Technical Session 1</td>
<td>Technical session 4</td>
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<td>18:00-19:30</td>
<td>Reception and Poster session</td>
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<td>Social dinner</td>
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Technical Session 1: Activity Recognition

Session Chair: Ralf Tönjes (University of Applied Sciences Osnabrück)

- Episode Segmentation Using Recursive Multiple Eigenspaces, Aziah Ali, Guang-Zhong Yang, Surapa Thiemjarus
- Keep on Moving! Activity Monitoring and Stimulation using Wireless Sensor Networks, Stephan Bosch, Hermie Hermens, Paul Havinga, Raluca Marin-Perianu, Mihai Marin-Perianu
- Time-lag as Limiting Factor for Indoor Walking Navigation, Andreas Riener, Markus Straub, Alois Ferscha

Technical Session 2: Information aspects of context-aware sensor and actuator systems

Session Chair: Alexander Gluhak (University of Surrey)

- A Query Service for Raw Sensor Data, Dónall McCann, Mark Roantree
- A Context Lifecycle for Web-Based Context Management Services, Gearoid Hynes, Manfred Hauswirth, Vinny Reynolds
- Semantic Annotation and Reasoning for Sensor Data, Wei Wang, Payam Barnaghi

Technical Session 3: Context-aware service platforms

Session Chair: Mirko Presser (The Alexandra Institute)

- Semantic Rules for Context-Aware Geographical Information Retrieval, Carsten Keßler, Christoph Wosniok, Martin Raubal
- Context-aware Recommendations on Mobile Services: The m:Ciudad Approach, Andreas Emrich, Alexandra Chapko, Dirk Werth

Technical Session 4: Context processing, reasoning, and fusion

Session Chair: Jakob Eg. Larsen (Technical University of Denmark)

- Context Cells: Towards Lifelong Learning in Activity Recognition Systems, Alberto Calatroni, Gerhard Tröster, Daniel Roggen, Claudia Villalonga
- Automatic Event Based Synchronization of Multi Modal Data Streams from Wearable and Ambient Sensors, David Bannach, Paul Lukowicz, Oliver Amft
- Using Dempster-Shafer Theory of Evidence for Situation Inference, Susan Mckeever, Simon Dobson, Lorcan Coyle, Juan Ye

**Technical Session 5: Real-world experiences with deployed systems**

Session Chair: Clemens Lombriser (ETH Zürich)

- Recognizing the Use-Mode of Kitchen Appliances from their Current Consumption, Gerald Bauer, Karl Stockinger and Paul Lukowicz

- Wireless Sensor Networks to enable the Passive House - Deployment Experiences, Tessa Daniel, Elena Gaura, James Brusey

**Technical Session 6: Context-aware frameworks in mobile environments**

Session Chair: Ralf Kernchen (University of Surrey)

- Mobile Context Toolbox an extensible context framework for S60 mobile phones, Jakob Eg Larsen and Kristian Jensen

- Statistic-based Context Recognition in Smart Car, Jie Sun, Kejia He