



5th International Conference on Activity & Behavior Computing (ABC)

7 ~ 9 Sept. 2023

|| DFKI, Kaiserslautern, Germany (Hybrid)

<https://ABC-research.github.io>

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Call for Paper

Welcome to the 5th International Conference on Activity & Behavior Computing (ABC), 7 ~ 9 Sept. 2023, DFKI, Germany. **Sensor & Vision-based Human Activity Recognition** has been researched in thousands of papers so far, with mobile / environmental sensors in ubiquitous / pervasive domains, and with cameras in vision domains. As well, Human Behavior Analysis is also explored for long-term health care, rehabilitation, emotion recognition, human interaction, and so on. However, many research challenges remain for realistic settings, such as complex and ambiguous activities / behavior, optimal sensor combinations, (deep) machine learning, data collection, platform systems, and killer applications. At ABC, we comprehend such research domains as ABC: Activity and Behavior Computing, and provide an open and confluent place for discussing various aspects and the future of the ABC. Earlier ABC events were held at Eastern Washington University, USA; Kitakyushu, Japan; Virtual; University of East London, UK since 2019.

Please kindly inform others to make it better!

Topics of Interest (not restricted to):

Mobile sensor-based ABC

Vision-based ABC

Environmental sensor-based ABC

Multimodal ABC

Physical / semantic analysis of ABC

Gait analysis

Sleep analysis

Emotion recognition / analysis

ABC with deep learning

ABC data mining

Data collection

ABC systems

Interactive ABC

Healthcare applications

Sports applications

Business applications

Tools for industry

ABC in the wild

Find Special Sessions & Propose 😊

- ACTIVITY COMPUTING IN NURSING AND ELDERLY CARE

Chair: Tomohiro Shibata, Kyushu Institute of Technology

- ACTIVITY RECOGNITION WITH ORIGINAL DEVICES

Chair: Yu Enokibori, Nagoya University

- ACTIVITY AND BEHAVIOR SENSING APPS

Chair: Yuuki Nishiyama, University of Tokyo

- ANALYSIS / RECOGNITION OF EMOTION, FEELING, AND SENTIMENT

Chair: Mitsunori Mizumachi, Kyushu Institute of Technology

- ACTIVITY COMPUTING IN SPORTS

Chair: Kazuya Murao, Ritsumeikan University

- Special Journal Issues from selected papers will be arranged

- Accepted and presented papers will be published as Book chapters.

- **Submission Categories:**

- Regular paper (full technical contents)

- Survey papers (reviews on new perspectives or challenges)

- Position / Work-in-Progress paper (not for publication)

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