



Call for Papers

Joint CEWIT-TZI-acatech Workshop on “ICT meets Medicine and Health”

Bremen, Germany

March 19 - 20, 2013

ICTMH2013

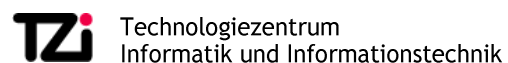
Scope of the Workshop

We cordially invite you to submit your contributions to the joint CEWIT-TZI-acatech workshop on the topic of “ICT meets Medicine and Health”. This workshop is organized jointly by the New York State Center of Excellence in Wireless and Information Technology (CEWIT) located at Stony Brook University in Stony Brook, New York, USA, and the Center for Computing and Communication Technologies (TZI) located at the University of Bremen in Bremen, Germany.

The workshop is dedicated to one of the joint fields of expertise of CEWIT, TZI and of the Topical Networks “Health Technology” and “ICT” of the *German National Academy of Science and Engineering* (acatech) focusing on applications of emerging computing and communication technologies in medical and healthcare environments, including individual components, e.g. implantable sensors, as well as wireless and mobile applications. This workshop provides a unique forum for presentations of original research results as well as exchange and dissemination of innovative, practical development experiences.

Several keynotes speeches and invited speeches will be given by experts in the field, e.g.,

- Craig A. Lehmann (Dean School of Health Technology and Management, Stony Brook University): "Information Communication and Telemedicine Technologies: The Nucleus for Global Health Care" (confirmed)
- Ari Kaufmann (Director of the Center of Visual Computing (CVC), Stony Brook University): “Medical Imaging” (working title) (tbc)
- Shmuel Einav (Director, Medical Technologies Division, CEWIT, Stony Brook University): “Cloud Computing and Tele-Health” (confirmed)
- Michael Beetz (Head of the Research Group “Artificial Intelligence”, University of Bremen): “Robotics meets Medicine and Health” (working title) (confirmed)
- Walter Lang (Director of the Institute for Microsensors, -actuators and -systems, University of Bremen): “Neuro-Implants” (working title) (confirmed)



Specific topics of interest include, but are not limited to, the following:

- e-health
- tele-health and tele-medicine
- healthcare technologies
- medical imaging
- biomedical informatics
- medical informatics
- implantable technologies
- sensors and actuators, signal processing and related technologies
- novel communication systems for implanted, near-body, on-body networks
- wireless health and wireless medicine
- wireless spectrum for health care usage
- battery and energy scavenging technologies
- diagnostic devices
- personal devices for monitoring
- medical robotics (surgical robots, ...)
- wearable computing for healthcare applications
- ambient assisted living
- rehabilitation technologies
- individual and community guidance technologies
- security/privacy of healthcare applications
- pilot studies
- clinical trials
- standards (monitoring, interoperability, ...)
- regulations
- electronic medical records and related database and enterprise technologies

Submission Guidelines

The CEWIT-TZI-acatech workshop is primarily interested in serving as a venue for the discussion of technical contributions highlighting technical solutions, applications and systems, even if available only in prototype form. Therefore, we strongly encourage authors to submit abstracts (two pages) describing their contributions in an application-oriented context.

Each abstract will be evaluated by program committee members and external reviewers, including experts with multidisciplinary experience. Submissions will be judged on validity, originality, technical strength, practical significance, quality of presentation, and relevance to the workshop topics. We encourage submissions from a variety of fields where in-depth application-centric ideas addressing important challenges related to the workshop theme are discussed.

Please submit your abstract electronically at www.tzi.de/cewit-tzi-workshop-2013. Authors of accepted abstracts will be required to submit a full paper to be included in the conference proceedings.

Please follow the formatting instructions provided on our website.

Posters can be also be submitted as a two-page description of the topic to be presented.

Conference papers will be considered for a Special Journal Issue on the topic of the workshop.

Important Dates

Abstract Submission Deadline: ~~November 1, 2012~~ **November 30, 2012 extended deadline**

Notification of Acceptance: ~~December 1, 2012~~ **December 19, 2012**

Camera-Ready Paper & Presentation Materials: January 15, 2013

Contact Information

For more information about the CEWIT-TZI workshop,
please visit www.tzi.de/cewit-tzi-workshop-2013
or contact cewit-tzi-workshop-2013@tzi.de.

Technical Program Committee

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Venue

The CEWIT-TZI-acatech workshop will be held at the University of Bremen, Bremen, Germany.

Bremen is a beautiful historic city in the North of Germany. It is well connected to the world by having an international airport and a major train station. You can reach Hamburg and Hannover¹ in about an hour and Berlin in about 3 hours by train.

Registration Information will be provided on the website.

Registration Fee

reduced fee until Jan 15, 2013: 210 Euro

after Jan 15, 2013: 250 Euro

The registration fee includes coffee, lunch and the conference dinner in the “Ratskeller”. The Ratskeller (council’s cellar) is the traditional German restaurant located in the cellar of the town hall (Rathaus).

The CEWIT-TZI-acatech workshop is co-sponsored by the ITG, IEEE COMSOC German chapter, acatech, FFV (Friends of ComNets) and “Gesundheitswirtschaft Nordwest e.V.”.



¹ Side note: For those interested in visiting CeBIT 2013: It will be held in Hannover from March 5 to 9, 2013.