

Dear Professors, Researchers, and Practitioners

We cordially invite you to propose a demonstration in the international joint conference iCAST&UMEDIA2013, which is technically sponsored by IEEE SMC and CI societies, and will be held on Nov. 2-4 at the University of Aizu, Japan. Because of your outstanding research in the related areas, we believe that your participation will help us to make this event a big success. We would appreciate very much if you could submit the proposal to Prof. Lei Jing before Aug. 2, 2013. For detailed information about the demo session, please refer to the attached files.

Besides the demonstration, you are also welcome to submit a paper within 6 pages to this joint conference. The paper can be a detailed technical explanation of your demonstration, or a pure academic contribution. Please find the CFP in the attachment. Though the deadline for paper submission is over, we can extend the deadline to Jul. 15 for those who plan to show a demonstration in the conference.

Currently, we plan to have at least the following four categories:

1. Virtual Musical Instrument (VMI):

The state of art VMIs will be demonstrated, such as virtual band, virtual drum, and virtual hand bell. Different with the traditional VMI on PC, pad, or smartphone using keyboard or touch panel for inputting, these systems enable people to interact with the VMIs in the same actions as they play using the real musical instrument.

Keywords: kinect, wearable sensors, virtual band, virtual drum, and virtual hand bell

2. Latest interaction technology

To achieve superior affordance in the nowadays complex computing environment, the user interface is making full use our five senses, like hand gesture, eye-gaze, speech, haptic display, smell feedback, and so on. Each type of interface has its own pros and cons. We hope to have audience consider more critically by collecting the different kinds of interface together.

Keywords: hand gesture, eye-gaze, speech, haptic, BMI, biological interface

### 3. Future interactive computing technology

In the near future, people may interact with the computing system beyond their five senses. They can interact with the surrounding artifacts, control the robots, or communicate with each other only using their brainwave. The computers can understand people situation using the biological signals. We hope this conference would be a great place to collect the multidisciplinary experts to share their opinion on this topic.

Keywords: BMI, biological interface, EMD, application

### 4. New Products and New Technologies of Local Companies

In Aizu (or Japan in general), there are some companies with creative ideas in ICT. For example, Fukushima Wheel integrates the environment sensors onto the bicycles to measure the environment data such as radiation and temperature; the LED on wheels could display location based information or sponsorship; and FAB@AIZU possesses the latest fast prototyping technology.

Keywords: Fukushima wheel, fast prototyping, smart phone applications, 3D printer based business.

Of course, it is not necessary for you to fit your demonstration to the above four categories. You can create a new category freely. In any case, it will be a great help if you can kindly let us know before July. 15 if you are interested in joining the demo session and plan to submit a demonstration.

If you have any question, please do not hesitate to contact Prof. Lei Jing (leijing@u-aizu.ac.jp), who is the organizer of this session.

Sincerely yours,

Organizing Committee Chairs of iCAST&UMEDIA 2013

### **Instructions for authors in demo session**

- July 15, 2013: Send mail to Prof. Lei Jing to confirm your willingness of attending the demo session.
- Aug 2, 2013: Submission deadline
- Aug 9, 2013: Notification of acceptance
- Nov 3, 2013: Demo session

iCAST&UMDEIA 2013 demo submissions should contain a demo description document, which is expected to contain the title, author, abstract, technical requirements, and if necessary, some other additional information within two A4 page.

The technical requirements of the demo include the space requirements, a layout diagram, the power supply needed, the wired or wireless networking requirements, and any other special requirements. Note that the conference will at minimum provide you with a space for your demo, including a table, chairs, and a power connection (100V). (Participants should bring any special equipment or devices such as power converters, projectors or audio amplification.)

The demo description document could also contain additional information that details how the demo will be executed in practice, and how visitors will interact with it during the conference. Additional description material may include a short usage scenario, storyboard sketches, screenshots, illustrations, or photos.

The demo description document should be submitted electronically through the CMT submission system.

If you have any further inquiries, please contact [leijing@u-aizu.ac.jp](mailto:leijing@u-aizu.ac.jp)

Lei Jing

iCAST&UMEDIA2013 Demo Chair