

[<http://ubimap.net/upimap2008/>](http://ubimap.net/upimap2008/)

International Cartographic Association (ICA)

- **Commission on Ubiquitous Mapping** (<http://ubimap.net/>)
- **Commission on Maps and the Internet** (<http://maps.unomaha.edu/ica/>)

Call for Participation

Third International Joint Workshop on Ubiquitous, Pervasive and Internet Mapping (UPIMap2008), Shepherdstown, West Virginia, USA September 10 - 11, 2008 (immediately following AutoCarto2008)

The ICA Commissions on **Ubiquitous Mapping** and **Maps and the Internet** announce a workshop in USA, at the beginning of September 2008. The workshop is sponsored by the Commission on Ubiquitous Mapping, the Commission on Maps and the Internet. The ICA Commissions were formed in 2003 and 1999 respectively in response to the rapid growth in the use of electronic networks to make and distribute maps and spatial data, and the rapid diffusion of new mobile devices. The purpose of the workshop is to bring together international specialists in the field of Mobile Mapping, Location Based Services and Internet Mapping, and to disseminate information to a broader audience on new developments and major areas of research.

The first joint meeting of the commissions, UPIMap2004 in Tokyo, included visits to the Tokyo metropolitan traffic control center and the VICS (Vehicles Information Control System) center for car navigation system, onsite demonstrations of commercial human and car navigation systems using cellular phone and in-car systems respectively. At UPIMap2006 in Seoul, involved similar activities. The meeting in September 2008 will bring UPIMap to the US where world famous systems, such as Google Earth and Apple Inc.'s iPhone, were created and are in use. We will be able to discuss questions of globalization and localization of UPIMap in the context of different cultures and environments. We will have on site demonstrations of different application systems using the vast terrain of the National Conservation Training Center (NCTC). More details of the Workshop will be available from the Web [<http://ubimap.net/upimap2008/>](http://ubimap.net/upimap2008/).

Important Dates

June 20, 2008 - Abstracts Due (300-500 words)

July 10, 2008 - Notification of Acceptance

August 10, 2008 - Working Papers due for Paper Sessions

September 10 - 11, 2008 - Workshop in Shepherdstown

General Information

The Workshop will focus on a variety of issues related to making and utilization of maps and location based information through mobile devices and the Internet. Working papers should address the terms of reference of the commissions:

ICA Commission on Ubiquitous Mapping

This commission deals with a "well-mapped society" where maps will be available anywhere and anytime. Today, the number of way maps and geo-spatial information are likely to be employed is very large and diverse. As the individual gains the ability to access relevant spatial information on demand, human behavior will be influenced in interesting ways. The commission concentrates more on theoretical than practical issues. Its terms of reference are:

1. To organize regional workshop including site observation to comprehend the contemporary situation of mobile, car-navigation and location based mapping
2. To clarify the similarity and difference in comparing variant systems to establish an evaluation scheme
3. To place the notion of Ubiquitous Mapping in domain of Theoretical Cartography

ICA Commission on Maps and the Internet

The Internet has increased the distribution of maps and re-defined how maps are used. This commission explores the potential of the Internet to improve the quality of maps as a form of communication.

1. Focus attention on disseminating maps and spatial data through distributed electronic networks. Product: Journal articles and web pages.
2. Examine Internet map usage and project future areas of growth.
3. Examine web map user issues to better serve user needs.
4. Promote the exchange of information about effective Internet mapping for an international audience.
5. Improve user access to maps by examining the potential of Internet map metadata.
6. Promote instruction on Internet mapping through collaboration / coordination with other ICA commissions

Session topics and Some Key Words

1. Theoretical positioning of the domain: ubiquitous, pervasive and Internet mapping; mobile mapping, LBS, tele-cartography, urban sensing
2. National and international environment of new technologies: IT infrastructure, spatial reference, IC tag, wearable computer, small personal object, GML; online mapping with Google Maps, Yahoo Maps, and MSN Live Local; open source tools for maps and the Internet
3. Cultural and social issues: cross cultural studies, geo-privacy, security, information divide, universal design, differences between countries in online mapping
4. Mapping and cognitive process: interface, symbology, generalization, multi-scale, virtual environment, augmented reality, mixed reality, real scale map, context awareness, spatial cognition, affordance, egocentric
5. Application systems: human navigation, car navigation, spatial interaction, spatial decision, spatial communication, memory of the place, virtual reality, simulation, thematic maps online, online election mapping, audio tour, prove person, location based education

In conjunction with the working papers, the workshop will also feature live demonstrations.

Who Should Attend?

Anyone interested in the use of mobile devices and/or the Internet for the making, distribution, organization and use of maps and spatial data:

- members of academia who wish to familiarize themselves with recent research

- developments and who are keen to develop new perspectives;
- practitioners from mapping organizations as well as software industry representatives who wish to contribute their experience with commercial Internet mapping software and explore new concepts and opportunities for software development;
 - students of cartography who wish to have a better understanding of the major areas of research related to the making of maps through the Internet.
- The participation of young researchers is particularly encouraged.

About the Location

The meeting will be held at the U.S. Fish and Wildlife Service National Conservation Training Center in Shepherdstown, West Virginia, USA near from Washington D.C.. (<http://training.fws.gov/>).

Cost

A workshop participation fee will be charged by the organizers - \$100 for attendees, \$50 for students. This includes materials and a welcome party. NCTC accommodations include 226 onsite lodging rooms. The price of a room is about \$120 a night including meals (<http://training.fws.gov/>).

Resulting Publication

Working papers will appear on the commission's home page at <http://ubimap.net/upimap2008/>. Participants are encouraged to submit final papers to the official journal of ICA; CaGIS, CARTOGRAPHICA. Depending on the number of submissions, an edited volume of papers may be published in book form.

Call for Abstracts

Participants will be selected from responses to this Call for Participation. If you wish to participate in the workshop, please submit a 300 - 500 words abstract **BY 20 JUNE 2008** to the chair of the program committee: Takashi MORITA (morita@hosei.ac.jp). The abstracts should be no longer than 500 words in length and indicate whether you plan to submit a working paper and/or present a live demonstration. Include title, complete address information for all authors, e-mail address and abstract within an e-mail message. Notification of acceptance will be sent out by 10 JULY 2006. The selected participants will then also receive more detailed information on the particulars of the workshop and local arrangements (accommodation, etc.).

If you want to organize a special session on a specific theme, your proposal will be also welcome. In this case, please submit a session proposal including title and aim of the session, and information about each speaker, to the program committee **BY 20 JUNE 2008**.

Working Papers

If you wish to participate in a paper session of the workshop, you will be asked to submit the following material **BY 10 AUGUST 2008** to the chair of the Program Committee: Takashi MORITA (morita@hosei.ac.jp)

- a PDF document containing your working paper (4000-5000 words), including:
- a BRIEF biographical sketch of the author(s)
- COMPLETE address information for all authors, including fax, e-mail, and homepage, if available

Live Demonstrations

If you would like to present a live demonstration of products, provide information on platform and audiovisual equipment requirements **BY 10 AUGUST 2008**.

Inquiries and Paper Submissions

Prof. Takashi MORITA
Department of Civil and Environmental Engineering
Hosei University
2-33, Ichigaya-Tamachi, Shinjyuku-ku
Tokyo 162-0843, JAPAN
morita@hosei.ac.jp

Deadlines and Dates

20 JUNE 2008 - DEADLINE FOR SUBMISSION OF ABSTRACTS

10 JULY 2008 - Notification of acceptance; preliminary workshop program; additional workshop information

10 AUGUST 2008 - Revised working papers due; uploaded to Commission website

10-11 SEPTEMBER 2008 - Third International Joint Workshop on Ubiquitous, Pervasive and Internet Mapping, Shepherdstown, West Virginia, USA

Program Committee:

Masatoshi ARIKAWA, Center for Spatial Information Science, The University of Tokyo, Japan

William CARTWRIGHT (ICA, President), School of Mathematical and Geospatial Science, RMIT University, Melbourne, Australia

Yun-Soo CHOI, Dept. of Geoinformatics, The University of Seoul, Korea

David FAIRBAIRN (ICA, Secretary-General and Treasurer), School of Civil Engineering and GeoSciences, University of Newcastle upon Tyne, U.K.

Georg GARTNER (ICA, Vice-President), Dept. of Geoinformation and Cartography, Technical University of Vienna, Austria

Takashi MORITA [Chair], Laboratory of Urban Spatial Information, School of Civil and Environmental Engineering, Hosei University, Japan

Atsuyuki OKABE, Center for Spatial Information Science, The University of Tokyo, Japan

Michael PETERSON [Co-chair], Dept. of Geography and Geology, The University of Nebraska at Omaha, USA

Ryosuke SHIBASAKI, Center for Spatial Information Science, The University of Tokyo, Japan

Yong-Cheol SUH, Dept. of Satellite Information Sciences, Pukyong National University, Korea

Yoshiki WAKABAYASHI, Laboratory of Urban and Human Geography, Tokyo Metropolitan University, Japan