



ICCHP 2012

CALL FOR PAPERS

Deadline for submitting scientific papers:
February 1, 2012

Sponsors



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Evelyn Glennie / Art Karshmer

Welcome



2012 marks the 13th biennial International Conference on Computers Helping People with Special Needs (ICCHP). From the inception of the conference, ICCHP has been a vibrant forum for the discussion of serious physical and societal issues related to the quality of life of people with special needs. From educational issues, to mobility problems, to disability rights to issues associated with the aging of our society, and beyond, ICCHP has supplied a venue for open discussion on complex issues, and the exchange of cutting edge scientific breakthroughs to make the life of people with special needs more fulfilling.

Starting as a conference concerning people with disabilities, the ICCHP meeting has become a voice for discussion and potential adoption of new science and public policy analysis to a world of increasingly longer lifespans and the difficulties inherent in that phenomenon. Given longer life expectancy and the decline of national birth rates, the community of the disabled is growing at a faster rate than expected.

As a result of changes in the demographics in our world, the ICCHP meeting has maintained its position as an important voice in the quality of life for people with disabilities from birth to old age. The meeting annually hosts high-quality, well reviewed submissions from scientists and policy makers from around the world. In addition to the traditional peer sessions, the meeting also includes industry representatives showing their new products and looking for new ideas. Additionally, the conference affords spaces and times for less formal discussions – an important factor supporting the transfer of knowledge so needed in our endeavors.

My name is Art Karshmer and I have been attending ICCHP meeting since their early days. I have served on the program and organizing committees and this year I will serve as General Chair of the meeting. While I attend numerous such meetings every year, ICCHP has always been my favorite. From excellent management to super sessions and special events, I recommend this conference to you. Please examine our current call for papers and plan on joining us in July for the actual meeting. I look forward to meeting you in Linz and am certain you will find the conference helpful to your scientific endeavors and discussion of public policy that will have a meaningful impact on your career.

Come and get involved!

Art Karshmer, on behalf of the International Programme & Organising Committee

ICCHP Topics / Key Dates

ICCHP focuses on Assistive Technology (AT) and accessible ICT for people with disabilities and older adults enabling a more independent life, participation and inclusion and improved services and support.

By its nature, ICCHP has a wide area of topics and a future oriented mission.

The following tag-cloud, generated from the last ICCHP proceedings, outlines the centre of gravity of the conference.

A glossary of conference topics is added at the end of the Call.

ICCHP 2010 is open to visionary ideas and future oriented thoughts!
A floor for your visions!



Key Dates

Deadline for getting involved in Project:Possibility	December 1, 2011
Deadline for announcing STS	January 7, 2012
Deadline for Papers / extended Abstracts	February 1, 2012
Notification of Acceptance	March 10, 2012
Preliminary Programme	March 20, 2012
Deadline for full, Camera Ready Papers	April 20, 2012
Deadline for submissions to the Young Researchers Consortium	April 20, 2012
Notification of Acceptance for the Young Researchers Consortium	May 15, 2012
Deadline for Workshops, Tutorials and Seminars	June 1, 2012
Deadline Nomination for ICCHP Award	June 15, 2012
Deadline for announcing Meetings/Presentations/Posters	July 1, 2012

Call for Contributions

Full Papers and Short Papers

ICCHP publishes its proceedings in the acknowledged Springer Lecture Notes in Computer Science.

Papers (8 pages) and short papers (4 pages) will be presented and discussed in time slots of 20 to 25 (papers) or 10 to 15 minutes (short papers).

Authors are asked, in order to allow a fair review process, to submit well-elaborated **extended abstracts (2-4 pages)** not later than **February 1, 2012**.

Papers will be reviewed by at least three experts and based on their judgement selected for publication.

Authors should follow the instructions for preparing contributions ("extended abstracts") at: <http://www.icchp.org/call/papers>

Information on how to prepare the camera ready version at:

<http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>

Registration to the conference by one author is mandatory!



Special Thematic Sessions

ICCHP '12 invites experts to organise Special Thematic Sessions (STS) to present a detailed and comprehensive view to specific topics of particular interest. An introduction by the chair as a free publication in the proceedings will recognise these efforts.

Special thematic sessions must not be announced **later than January 7, 2012**.

More information at: <http://www.icchp.org/call/sts>

Universal Learning Design Conference (ULD) 2012

ICCHP '12 is proud to announce the co-operation with the Support Centre for Students with Special Needs, Masaryk University Brno, Czech Republic in organising a special track on Universal Learning Design (ULD) as part of ICCHP 2012. This ICCHP will put an emphasis on inclusive eLearning as well as provide a platform for a more interdisciplinary discussion. More information will be made available at <http://uld-conference.org/uld-icchp-2012-en>. ULD will use the same organising facilities as ICCHP.

Workshops, Tutorials and Seminars

The pre-conference will offer introductory workshops, seminars and tutorials. For conference participants, ICCHP provides all necessary facilities for free. Workshops, tutorials and seminars should be announced till **June 1, 2012** by **eMail:** icchp@jku.at

Call for Contributions

Meetings, Presentations and Posters

ICCHP provides facilities for meetings of project consortia, associations and other organisations. Possibilities for presenting project results will be made available (e.g. exhibition space, seminars). Meetings and Project Presentations should be announced till **July 1, 2012** by eMail: icchp@jku.at

Young Researchers Consortium (YRC)

“The Next Generation of AT Experts“

The YRC will be organised to take place during the pre conference sessions. Supervisors of e.g. diploma, PhD thesis, practical work in companies focusing on or related to the field of AT and eInclusion should motivate and support outstanding students to take part. The best contributions will be presented in a plenary session of ICCHP. ICCHP will cover participation and accommodation costs. Extended abstracts on the work have to be submitted till **April 20, 2012**.

More information at: <http://www.icchp.org/call/youngresearchers>

ICCHP Summer University 2012

Math, Science and Statistics for Visually Impaired Users

- Blind and partially sighted students (school and higher education)
- Teachers and educational experts
- Developers and researchers
- Companies

are invited to take part in a two days summer university during ICCHP to train, present, discuss and learn about possibilities to overcome problems in math, science and statistics.

More information at: <http://www.icchp.org/call/summeruniversity>

Project:Possibility

Programming Competition for eAccessibility Solutions

ICCHP, in co-operation with P:P (www.projectpossibility.com) and the eAccess+ network (<http://www.eaccessplus.eu>) calls for participation in this programming competition for accessibility. Universities, as part of their curricula in Computer Science and related fields, should invite groups of students to work on eAccessibility topics defined by end users or experts. The best group will be invited to take part in the P:P final during ICCHP. Interest in participating should be announced no later than **December 1, 2011** by eMail: icchp@jku.at.

More information at: <http://www.icchp.org/call/projectpossibility>

ICCHP Award

ICCHP Award - Roland Wagner Award On Computers Helping People with special Needs

The Austrian Computer Society announces the biannual ICCHP Roland Wagner award in the range of 3000 € which will be handed over at the occasion of ICCHP conferences.

Nomination Committee

Andras Arato, KFKI Budapest, Hungary
Dominique Burger, INSERM, France
Art Karshmer, University of San Francisco, USA
Klaus Miesenberger, University of Linz, Austria
Wolfgang Zagler, Vienna University of Technology, Austria

Who/What can be nominated

- Individuals
- Organisations (associations, consortia, companies, ...)
- Projects
- Services
- Products

Nominations are to be submitted until
June 15, 2012.

More at: <http://www.icchp.org/award>

Former Laureates

2010 - Award 5

Harry J. Murphy, US & Joachim Klaus, DE

2008 - Award 4

George Kersher & The Daisy Consortium, US

2006 - Award 3

Larry Scadden, US

2004 - Award 2

Paul Blenkhorn, UK

2002 - Award 1

Judy Brewer, WAI-W3C, US



Cultural & Social Events

In the charming city of Linz, ICCHP will provide agreeable and enjoyable moments to foster the international exchange.

Traditionally and of course again in 2012, ICCHP invites you to:

A sociable, comforting **Welcome Cocktail** - Tuesday, July 10

A splendid **Gala Event** with a most remarkable musical delight - Thursday, July 12

A chillaxing **Farewell Party** - Friday, July 13

More at: <http://www.icchp.org/socialevents>

Please check <http://www.linz.at> and <http://www.austria-tourism.at>

for information concerning tourism opportunities in Linz and Upper Austria



Social Events & Highlights

ICCHP is committed to its role of transferring the idea and concept of an open and inclusive society into mainstream. Culture and art are powerful vehicles to support a change in awareness, understanding and attitudes regarding inclusion and participation in society. Therefore,

ICCHP in co-operation with Oberbank and Donauforum Linz proudly announces

A Concert and Keynote Speech by Dame Evelyn Glennie

Dame Evelyn Glennie, percussionist

Awarded Dame Commander of the British Empire in 2007 Evelyn Glennie is the first person in musical history to successfully create and sustain a full-time career as a solo percussionist. As one of the most eclectic and innovative musicians on the scene today she is constantly redefining the goals and expectations of percussion by creating performances of such vitality they almost constitute a new type of performance.

Profoundly deaf since the age of 12, Evelyn speaks passionately about subjects including education, business and of course music. Her speaking engagements are defined as a

„dialogue with a difference“ using the medium of music to demonstrate and enhance the importance of our listening skills amongst the cacophony of modern day sounds.

With her unique perspective and outlook, an attitude to her ongoing and diverse career that doesn't accept „no“ to be an answer and a proven track record in educational and disability issues, Evelyn is as compelling a motivational speaker as she has proved to be a musician.

<http://www.evelyn.co.uk/>

<http://www.icchp.org/socialevents>



Oberbank
3 Banken Gruppe



Organisational Details

Conference Fees

Author's fee (to be paid till April 1, 2012)	500 €
Early registration fee (to be paid till May 1, 2012)	500 €
General registration fee (to be paid till June 30, 2012)	550 €
On - site registration fee	600 €
One day fee (to be paid till June 30, 2012)	250 €
Student fee (not available for authors)	free

Fees (except „One Day“ and „Student“ fee) include proceedings, conference bag, social events (incl. Gala Dinner), lunch and coffee breaks.

Payment has to be made by credit card or bank transfer, only. Money transfer costs have to be fully covered by participants.

Special fee - packages will be published at <http://www.icchp.org/registration/fees>

Cancellation Policy

For cancellations until June 15, 2012, we charge a service fee of € 75.

For author's fees and later cancellations no refund can be made.

Registration

An online registration form will be made available at:

<http://www.icchp.org/registration>

Conference Language

The conference language is **English**.

Conference Location & Accommodation

The conference takes place on the campus of Johannes Kepler University of Linz, Austria. The uni-versity has a unique campus close to the inner city. As a rather young campus, all buildings and rooms are accessible for people with disabilities. For conference participants special arrangements have been made with the Hotel "Sommerhaus" which is close to the university. Rooms are available for conference participants from 32€. More information, also regarding other accessible hotels, can be found at:

<http://www.icchp.org/accommodation>

Linz can be best reached via airports Vienna, Munich and Frankfurt. More information on travelling options following: <http://www.icchp.org/findyourway>

Specific Needs Support

ICCHP is committed to accommodate people with disabilities. In order to arrange **all necessary services**, please get in touch **as soon as possible** by eMail: icchp@jku.at

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ICCHP Topics Glossary

ICCHP focuses on Assistive Technology (AT) and accessible ICT for people with disabilities and older adults enabling a more independent life, participation and inclusion and improved services and support. By its nature, ICCHP has a wide area of topics and a future oriented mission. The following list, therefore, is not exhaustive and topics are not to be seen isolated. The list should motivate to get involved:

(e)Accessibility addresses overcoming or proactive avoiding barriers for people with disabilities in the information society, e.g. Web, Software, Document, Communication and Conversation, Consumer Electronic (e.g. iDTV accessibility) Accessibility.

(e)Aging and Gerontechnology discusses systems and tools helping to maintain autonomy and independence when aging. How such systems can be designed for persons who are not familiar with technologies is part of this topic, too.

Ambient and Assisted Living outlines the potential, accessibility and usability of e.g. embedded systems, smart homes, mobile computing for people with disabilities and older adults.

Assessment and Profiling calls for research on methodologies, concepts and techniques for evaluating capabilities and needs of individuals and how to translate them into computable profiles.

Assistive Technology (AT) focuses on innovation and advancing the quality and availability of assistive devices aiming at overcoming or compensating functional limitations and its impact. This includes contributions of mainstream technology showing potential for supporting people with disabilities, special Rehabilitation Technology and Biomedical Engineering.

Augmented and Alternative Communication (AAC) intends to progress methods and tools for people with problems in spoken and written communication.

Cloud Computing will analyse the potential of shared and configurable Internet based resources for enhanced AT and services as well as the challenges for eAccessibility.

Design for All highlights the proactive application of principles, methods and tools to meet the requirements of a broad diversity of users including those with disabilities in fields like e.g. architecture, traffic, housing, public buildings, work place, information, education.

ICCHP Topics Glossary

eGovernment and eDemocracy discusses eAccessibility of ICT and Internet based public services for all citizens.

eHealth - Medicine and Care encourages synergetic aspects of ICT/AT for diagnostics, care, therapy, training and rehabilitation.

eInclusion, Policies and Legislation outlines programmes, legal contexts and funding opportunities aiming at a better exploitation of ICT, AT and eAccessibility for inclusion.

eLearning - special and/or inclusive – illustrates new dimensions opened by ICT/AT for didactic and methodological settings and the changing role for learners, teachers and administrators.

HCI and Non Classical Interfaces will explore the potential of emerging Human-Computer Interaction developments like sensor based interaction, Brain-Computer Interaction (BCI), gesture interaction, natural language interfaces, tangible interfaces, game based interfaces, computer vision, virtual environments, wearable computing, adaptive interfaces, mobile and touch technology.

History in AT and eInclusion gives a tribute to the founders of our discipline and intends to avoid reinventing the wheels.

Labour Market Integration discusses how to ameliorate the career opportunities of people with disabilities by using ICT/AT and making the work place accessible and how to better qualify users and professionals.

Social Innovation and (e)Service Delivery covers all aspects (human, economical, organisational and management) involved in implementing concrete services. ICCHP discusses ideas and concepts of social innovation, e.g. user driven and crowd sourcing approaches, and the potential of ICT/AT and eAccessibility.

Usability and Ergonomics will focus on day to day use of (accessible) ICT/HCI/AT based systems and services and their efficiency, effectiveness, learnability, memorability, flexibility, joy, ... of use for people with disabilities and their environment.

User centred Design, User Involvement will underline the importance of involving end users in all steps of R&D towards application and will present strategies, methods and experiences for a more user driven R&D practice.

ICCHP 2010 is open to ideas and future oriented thoughts. A floor for your visions!



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