



Politecnico di Milano
Polo Territoriale di Lecco
Via Gaetano Prevati 1/c
23900 Lecco LC
Italy

September
9 - 11
PreConference
September 7 & 8

Call for Papers

<https://www.icchp.org>

Deadline for Submission of Extended Abstracts

Science Track: April 1, 2020

Forum Track: May 1, 2020

Organized in Co-Operation:

Politecnico di Milano, Polo Territoriale di Lecco, Italy
Austrian Computer Society, Vienna, Austria
Masaryk University, Brno, Czech Republic
University of Linz, Institute Integriert Studieren, Linz, Austria

Contents

Welcome	3
ICCHP Topics.....	4
Key Dates	4
Call for Contributions	5
Science Track Contributions.....	5
Science Track Papers.....	5
Special Thematic Sessions.....	5
Contributions to the ICCHP Forum.....	6
Service and Practice Forum Papers.....	6
Workshops, Tutorials and Seminars.....	6
Introductory Forum.....	7
Contributions to the ICCHP Inclusion Fair.....	7
Projects, Products, Services, Organizations, Posters.....	7
Meetings.....	7
Contributions to ICCHP Next Generation.....	8
Young Researchers´ Consortium.....	8
ICCHP Coding Competition – ICC4A.....	8
ICCHP Award	9
Former Awardees.....	9
ICCHP 2020 Organizational Details A – Z.....	10
Cancellation Policy.....	10
Official Language.....	10
Conference Rates.....	10
Cultural and Social Events.....	11
Registration.....	11
Accessibility	11
Venue	11
ICCHP Committees.....	12
Organization Committee	15
Politecnico di Milano.....	15
Masaryk University Brno, Czech Republic	15
Austrian Computer Society, Austria.....	15
Institute Integriert Studieren, JKU Linz, Austria	15
ICCHP Office.....	15
Glossary of ICCHP Topics.....	16

Welcome



This is an exciting time to be working on accessibility and inclusion, and in particular on such technical aspects as eAccessibility and Assistive Technology. There is increasing awareness of the many unnecessary barriers, physical or otherwise, that impede opportunities for work, education, and participation by people with disabilities. At the same time, efforts are ongoing to remove these barriers through better education, policy, and technology. Many companies are beginning to realize that embracing fully inclusive practices may translate into a more productive workplace.

Transit agencies and airlines are moving to enable safer and more comfortable travel to all passengers, including those with mobility, sensory, or cognitive impairments. The entertainment industry has begun to provide audio description services, in addition to captioning, to make movies and shows accessible to those who cannot see or hear. Important pieces of legislation, such as the Americans with Disabilities Act, which turns 30 this year, or the newborn European Accessibility Act, have been put in place to protect against disability-related discrimination, and to ensure that products and services are made accessible to everyone. The U.N. Convention on the Rights of Persons with Disabilities, adopted in 2006, affirms the right of people with disabilities to make independent decisions for their lives and to be active members of society.

Technology has tremendous potential for removing accessibility barriers. Not surprisingly, in recent years Artificial Intelligence has captured the lion's share of attention for technological trends in accessibility. Smartphone apps now read text and recognize objects, and automatically describe the content of pictures. Ever-improving speech understanding algorithms enable hand-free control of computers, appliances or devices, with research ongoing on the recognition of dysarthric speech.

Autonomous cars may in the near future provide individualized transportation to those who cannot drive, while exoskeleton systems will enable ambulation to people with paraplegia. Intelligent homes offer opportunities for independent living to those with reduced motion control. At the urban scale, mapping and localization systems are being deployed in public spaces to support orientation and wayfinding, or to identify safe paths to traverse for wheelchair users. It is encouraging that all major information technology companies have committed to including accessibility features in their products, and even started their own research labs in access technology. Yet, sometimes innovation comes from the grassroots. Communities of makers have taken on the challenges of designing low-budget assistive technology, often involving people with disabilities in exciting co-design experiments. Crowdsourcing and microvolunteering projects have evolved into accessibility platforms with thousands of contributors and users.

It is in this context that the 17th International Conference on Computers Helping People with Special Needs (**ICCHP**) will take place. Since its inception in 1989, **ICCHP** has evolved to become the largest European conference on Accessibility Technologies. It offers an inclusive and accessible environment, where participation of researchers with disabilities is particularly encouraged. **ICCHP** is a venue for showcasing cutting-edge technology, but also a place where to mingle with old and new colleagues for thought-provoking discussions.

Original contributions submitted to **ICCHP** undergo a rigorous peer review process, and accepted papers are published as part of the Springer Lecture Notes in Computer Science (LNCS). Technical presentations are organized in Special Thematic Sessions. The conference also features multiple parallel activities, including a Universal Learning Design STS, a Forum on Service and Practice, a Young Researchers' Consortium, ICC4C Coding Competition, and possibilities to hold workshops, meetings and product presentations at its **ICCHP** Inclusion Fair.

Come and get involved!

Roberto Manduchi,
UC Santa Cruz, Jack Baskin School of Engineering, CA, USA
General Chair **ICCHP** 2020

ICCHP Topics

<https://www.icchp.org/topics-20>

ICCHP focuses on Assistive Technology (AT) and accessible ICT (eAccessibility) for people with disabilities and older adults. **ICCHP** fosters independent life, participation and inclusion and improved services and support. By its nature, **ICCHP** is concerned with wide range of topics in the research and practice of these disciplines. A glossary of topics related to the conference is provided at the end of this Call.

ICCHP is open to visionary ideas and future oriented thoughts – Your inclusive platform!

Key Dates

<https://www.icchp.org/key-dates-20>

Contributions - Deadlines

LNCS Contributions (Science Track)

Deadline for proposing Special Thematic Sessions (STS)	March 15, 2020
Deadline for Extended Abstracts	April 1, 2020
Deadline for reviews	April 20, 2020
Notification of acceptance	May 5, 2020
Deadline for camera-ready papers and speaker registration	June 1, 2020

Contributions to the 1st digital edition of ICCHP “Future Perspectives in AT, eAccessibility & eInclusion” (Forum Track)

Deadline for Extended Abstracts	May 1, 2020
Deadline for reviews	May 15, 2020
Notification of acceptance	June 1, 2020
Deadline for camera-ready papers and speaker registration	July 1, 2020

Contributions to ICCHP Forum and ICCHP Inclusion Fair

Deadline for speaker nominations for the Introductory Forum	May 1, 2020
Deadline for activity proposals	August 15, 2020
Deadline for proposing contributions to ICCHP Inclusion Fair and Meetings	August 15, 2020

Contributions to ICCHP Next Generation

Deadline for becoming involved in the ICC4A Coding Competition	March 15, 2020
Deadline for submissions to the Young Researchers’ Consortium	May 1, 2020

Preliminary Program June 1, 2020

Early Registration Deadline July 1, 2020

Deadline for Nominations for the **ICCHP** OCG Roland Wagner Award August 15, 2020

Pre-conference September 7-8, 2020

Conference September 9-11, 2020



Call for Contributions

<https://www.icchp.org/call-20>

Science Track Contributions

Science Track Papers

ICCHP publishes its proceedings for the Science Track papers in the Springer Lecture Notes in Computer Science (LNCS) series.

Volumes published in the LNCS series are made available to the following indexing services:

- ISI Conference Proceedings Citation Index - Science (CPCI-S), included in ISI Web of Science
- EI Engineering Index (Compendex and Inspec databases)
- ACM Digital Library
- DBLP
- Google Scholar
- IO-Port
- MathSciNet
- Scopus
- Zentralblatt MATH

Registration to the conference by at least one author per paper is mandatory!

For two or more papers by the same author, an additional paper fee applies.

Key Info:

Step one: Well-detailed extended abstracts of original, unpublished work

- 3 – 5 pages
- Guidelines: <https://www.icchp.org/submissions-20>
- Upload: Via **ICCHP** Conference Management System - <https://www.icchp.org/user/login>
- Deadline: **April 1, 2020**
- Reviewed by 3 experts
- Notification of Acceptance: **May 5, 2020**

Step two: Camera Ready version of accepted papers

- 6 - 8 pages in camera ready LNCS format (including pictures and references)
- Additional pages (up to a max of 12 pages per paper) may be purchased – additional fees apply!
- Guidelines: <https://www.springer.com/de/it-informatik/lncs/conference-proceedings-guidelines>
- Upload: Via **ICCHP** Conference Management System - <https://www.icchp.org/user/login>
- Deadline: **June 1, 2020**

Step three: Presentation at **ICCHP** conference (timeslots of 20 minutes including discussion)

Open Access (OA) Policy:

Springer offers the option of making your publication open access. Please follow

<https://www.springer.com/gp/computer-science/lncs/open-access-publishing-in-computer-proceedings>.

Authors must indicate their intention to publish Open Access during upload – for each camera-ready paper.

The open access fee will be invoiced by Springer and/or its associates once the digital OA publication is ready.

Special Thematic Sessions

ICCHP invites experts to organize Special Thematic Sessions (STS) to present a detailed and comprehensive view of specific topics of particular interest. STS Chairs advertise the session in their own communities and networks.

ICCHP announces STS on its web page and allows contributors to select an STS for their paper(s) during the submission process. Special thematic sessions must be proposed by **March 15, 2020**.

ICCHP chairs evaluate proposals of STSs and negotiate in case of overlapping proposals. The inclusion of an STS in the final program and in the Conference Proceedings is subject to a minimum of four accepted papers. STS Chair(s) are invited to compile and publish an introductory paper to the STS in the proceedings (6 - 8 pages in camera ready LNCS format) at no additional cost. The deadline for the STS introductions is **June 1, 2020**. More information at:

<https://www.icchp.org/sts-20>

Special Thematic Session on Universal Learning Design

ICCHP is proud to cooperate with the Support Centre for Students with Special Needs of Masaryk University Brno, Czech Republic, in organizing once more a Special Thematic Session on Universal Learning Design (ULD), the role model of **ICCHP**'s STS series. This STS puts particular emphasis on inclusive learning and teaching environments and provides a platform for interdisciplinary discussion. Additionally, the ULD session will include selected contributions submitted to and published in the 1st digital edition of our **ICCHP** open access compendium "Future Perspectives in AT, eAccessibility and eInclusion".



Contributions to the ICCHP Forum

Service and Practice Forum Papers

AT, eAccessibility and eInclusion are user, practice and service driven domains. Progress and success are very much based on the interaction with, contribution by and participation of all stakeholder groups (e.g. users, end user organizations, service providers, policy, administration, industry, NGOs). Every voice counts in the exchange on the impact of R&D on practice and in domains in need of creative and innovative R&D and co-operation.

ICCHP strengthens exchange and co-operation between practice and R&D as a key asset for technical and social innovation. We invite interested authors coming from diverse domains to submit outlines of concept papers, models, reports, ideas, and position papers on topics related to digital inclusion. Accepted contributions will be part of the **ICCHP** presentation program (20 minutes including questions) or other formats such as workshops, tutorials, seminars, posters and product exhibition (subject to negotiation with contributors). This will support a creative and innovative program facilitating cross-sector interaction.

ICCHP invites interested participants to publish their outlines and papers in the 1st digital edition of our **ICCHP** open access compendium "Future Perspectives in AT, eAccessibility and eInclusion".

Registration to ICCHP by at least one author per contribution is mandatory!

Key info:

Step one: Abstracts of original, unpublished work

- 1 – 3 pages
- Guidelines: <https://www.icchp.org/forum-20>
- Deadline: **May 1, 2020**
- Notification of Acceptance: **June 1, 2020**

Step two: Final version and publication in the 1st digital edition of our **ICCHP** open access compendium "Future Perspectives in AT, eAccessibility and eInclusion"

- 2 – 8 pages
- Guidelines: <https://www.icchp.org/forum-20>
- Deadline final version: **July 1, 2020**

Step three: Presentation

Workshops, Tutorials and Seminars

ICCHP invites all registered conference participants to propose and conduct introductory workshops, tutorials and seminars throughout the conference. Workshops, tutorials and seminars are open and free for all registered **ICCHP** participants.

ICCHP provides basic facilities like rooms and WiFi for free, all other amenities and possible services are provided upon negotiation with and confirmation by **ICCHP** organizers, please get in touch with [icchp\(at\)jku.at](mailto:icchp(at)jku.at) as soon as possible but no later than **August 15, 2020**.

Registration to ICCHP is mandatory to announce Workshops, Tutorials or Seminars!

An additional participation and handling fee will be assessed to participants in these workshops, seminars and tutorials who are not registered to **ICCHP**.

Key info:

- Send your proposal for a workshop, tutorial, or seminar by email to [icchp\(at\)jku.at](mailto:icchp(at)jku.at). Give the subject “Workshop”
- In your email, please provide some basic information following the guidelines at <https://www.icchp.org/forum-20>
- Deadline: **August 15, 2020**.
- Proposals will be evaluated on a first come – first serve basis.

Registered **ICCHP** participants proposing workshops, tutorials and seminars are encouraged to submit an extended abstract for publication in the 1st digital edition of our **ICCHP** open access compendium “Future Perspectives in AT, eAccessibility and eInclusion”. Please follow the instructions under “Service and Practice Forum Papers” above. The same submission deadlines apply (**May 1, 2020** for Extended Abstracts).

Introductory Forum

ICCHP organizes an introductory forum featuring selected talks, tutorials and training sessions on topics of high interest to the conference. **ICCHP** invites you to propose topics and engaging speakers. Proposals should be emailed to [icchp\(at\)jku.at](mailto:icchp(at)jku.at) as early as possible, and any case no later than **May 1, 2020**. Please indicate “Introductory Lectures” in your email subject! More information available at <https://www.icchp.org/forum-20>.

Contributions to the ICCHP Inclusion Fair

Projects, Products, Services, Organizations, Posters

ICCHP invites all interested participants to take part in the **ICCHP** Inclusion Fair. The **ICCHP** Inclusion Fair is an ideal framework for showcasing projects, products, services, organizations, posters and for communicating and demonstrating your work and ideas to our diverse **ICCHP** audience.

ICCHP provides facilities for presenting, introducing, discussing and promoting products and project outcomes as well as practical findings of project consortia, associations and other organizations. Basic showcasing facilities (posters wall, tables, chairs and power supply) will be made available on a first come / first serve basis. All other amenities and services as e.g. sound system, video projection or catering will be invoiced (self cost price) and only provided upon availability on site and upon confirmation by **ICCHP** organizers.

Registration to **ICCHP** is mandatory for contributing to the **ICCHP** Inclusion Fair!

Key info:

- Send your proposal for a participation in the **ICCHP** Inclusion Fair by email to [icchp\(at\)jku.at](mailto:icchp(at)jku.at) with the subject “Inclusion Fair”
- In your email, please provide some basic information following the guidelines at <https://www.icchp.org/fair-20>
- Deadline: **August 15, 2020**. Proposals will be evaluated on a first come – first serve basis.

Participants in the **ICCHP** Inclusion Fair are encouraged to submit an extended abstract for publication in the 1st digital edition of our **ICCHP** open access compendium “Future Perspectives in AT, eAccessibility and eInclusion”. Please follow the instructions under “Service and Practice Forum Papers”. The same submission deadlines apply (**May 1, 2020** for Extended Abstracts).

Meetings

ICCHP provides facilities for meetings of participants in project consortia, associations and other organizations. Basic facilities (room, tables, chairs) will be made available on a first come / first serve basis. All other amenities and services as e.g. sound system, video projection or catering will be invoiced (self cost price) and only provided upon availability on site and upon confirmation by **ICCHP** organizers.

An additional participation and handling fee will be assessed to participants in these meetings who are not registered to **ICCHP**.

Contact [icchp\(at\)jku.at](mailto:icchp(at)jku.at) by **August 15, 2020**, for information about holding meetings at **ICCHP**.

Contributions to ICCHP Next Generation

<https://www.icchp.org/next-gen-20>

Young Researchers' Consortium

“The Next Generation of AT Experts“

The Young Researchers' Consortium event will take place during the **ICCHP** pre-conference. We encourage academic and industrial advisors of doctoral students in the field of AT and eInclusion to motivate and support outstanding students to participate in the Consortium. The top rated contributions will be presented in a plenary session.

ICCHP will cover costs for participation and accommodation of Young Researchers with accepted contributions. Interested students should submit extended abstracts of their work by **May 1, 2020**.

Please see <https://www.icchp.org/next-gen-20> for more information.

Young Researchers are encouraged to additionally submit a paper to the Science Track or to the Forum Track. Please follow the instructions under “Science Track Papers” or “Service and Practice Forum Papers”, respectively. The same submission deadlines apply (Extended Abstracts **May 1, 2020**).

ICCHP Coding Competition – ICC4A

Inspired by the former coding contests “Project:Possibility” and “Code for a Cause – C4C” at **ICCHP** and AAATE, we call for participation in a new coding competition for accessibility:

ICCHP Coding Competition for eAccessibility and AT – ICC4A

We encourage universities, as part of their curricula in Computer Science and related fields, to promote and support teams of students to work on eAccessibility topics defined by end users or experts.

The best team from each university will be able to present their work at **ICCHP**.

Key info:

- Send your expression of interest in participating in ICC4A by email to [icchp\(at\)jku.at](mailto:icchp(at)jku.at) with the subject “ICC4A participation”
- Deadline: March 15, 2020
- Further info available at <https://www.icchp.org/next-gen-20>

All ICC4A participants are invited to publish in the 1st digital edition of our **ICCHP** open access compendium “Future Perspectives in AT, eAccessibility and eInclusion”.

Please follow the instructions under “Service and Practice Forum Papers” above.

The same submission deadlines apply (Extended Abstracts **May 1, 2020**).

Impressions from past C4C award ceremonies



ICCHP Award

The Austrian Computer Society announces the biannual **ICCHP** Roland Wagner Award on Computers Helping People with Special Needs in the amount of € 3000.

Awardees are announced at the **ICCHP** conferences.

Please submit nominations for the **ICCHP** Award by email to [icchp\(at\)jku.at](mailto:icchp(at)jku.at) by August 15, 2020.

Details at: <https://www.icchp.org/award>



Former Awardees

- Award 9** NVDA, Michael Curran & James Teh
- Award 8** Dominique Burger, BrailleNet, Inserm, France
- Award 7** Shared Award for:
Masakazu Suzuki (Kyushu University), Japan
Art Karshmer (University of San Francisco), USA
- Award 6** The TRACE Center, USA / Gregg Vanderheiden
- Award 5** Shared Award for:
Harry Murphy (Center on Disabilities at California State University), USA
Joachim Klaus (Study Center for the Visually Impaired, Karlsruhe University), Germany
- Award 4** Daisy Consortium, USA / George Kersher
- Award 3** Larry Scadden (National Science Foundation), USA
- Award 2** Paul Blenkhorn (For scientific work in software development in AT), UK
- Award 1** WAI-W3C, USA / Judy Brewer
- Award 0** Roland Wagner (Initiating award on the occasion of Prof. Wagners 50th birthday), AT



ICCHP 2020 Organizational Details A – Z

<https://www.icchp.org/terms-20>

Cancellation Policy

Cancellations **on or before July 15, 2020** are charged a **handling fee of €100**.

For publishing authors or for **cancellations after July 15, 2020, no refund** can be made.

The date of receipt shall be used to determine whether a refund can be made.

No-Shows without cancellation will be invoiced the full registration fee. The delegate has the right to appoint a substitute at any time without additional cost.

All cancellation requests and change requests must be submitted in written form – with indication of full name, invoice number and bank details for reimbursement – to: [icchp\(at\)jku.at](mailto:icchp(at)jku.at).

Official Language

We appreciate the extensive participation of the international community in this conference.

The official language of the conference is English.

Conference Rates

Category	Rate in € (excl. 2% VAT)	Packed Lunch	Info, Deadline
Author's Fee	490	included	
Author's Fee including LNCS ¹	590	included	
Additional LNCS paper	250	-	Rate per add. paper
Additional LNCS page	63	-	Rate per add. page
Early Bird Fee	490	included	July 1, 2020
Early Bird Fee including LNCS ¹	590	included	July 1, 2020
Standard Fee	540	included	September 1, 2020
Standard Fee including LNCS ¹	640	included	September 1, 2020
On-site Fee	590	included	
On-site Fee including LNCS ¹	690	included	
One-Day Fee	250	included*	* Lunch of the specific day
Discount for Students ² , Retirees ³ , Delegates from Non-High-Income Economies ⁴	-250 €, upon verification during registration		
Personal Assistants	Get in touch!		

All fees include coffee breaks, packed lunches and Welcome/Farewell reception! All rates are **excl. 22% VAT**.

¹ Printed version of **ICCHP2020** proceedings published in LNCS series

² Full time students of Bachelor and Master study courses, not available for one-day fee

³ Full time retirees, not available for one-day fee

⁴ Refer to Worldbank Classification (<https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>), not available for one-day-fee

Cultural and Social Events

ICCHP is committed to extending the concept of open inclusive society to the real world. Culture and art are powerful vehicles to support a change in awareness, understanding and attitudes regarding inclusion and participation in society. **ICCHP** invites you to a sociable Welcome Cocktail, a comforting Social Dinner and a communicative, networking Farewell Party. More at: <https://www.icchp.org/social-events-20>

Registration

The online registration form is available at: <https://www.icchp.org/user/register>

Accessibility

ICCHP is committed to accommodating people with diverse needs and abilities.

In order to arrange for services for your individual situation, please contact us as soon as possible at [icchp\(at\)jku.at](mailto:icchp(at)jku.at). Please make sure to let us know about your specific needs by the time of conference registration. Information on available services at **ICCHP** 2020 can be found at <https://www.icchp.org/access-20>.

Help and support is available at the **ICCHP** Info Desk during the whole conference. Please contact us for any needs and requests. **ICCHP** Info Desk services can be accessed online at <https://www.icchp.org/onsite-20>. (available around mid of August, 2020)

Venue

ICCHP 2020 will take place on the campus of Politecnico di Milano, Polo Territoriale di Lecco
Via Gaetano Previati 1/c
23900 Lecco LC
Italy

Find it on [Google Maps](#)

Information on the venue and available accommodation can be found at <https://www.icchp.org/onsite-20>



ICCHP Committees

<https://www.icchp.org/committees-20>

General Chair	Manduchi, R.	University of California at Santa Cruz	USA
Publishing Chairs	Covarrubias Rodriguez, M.	Politecnico di Milano	Italy
	Miesenberger, K.	University of Linz	Austria
	Penaz, P.	University of Brno	Czech Republic
Programme Chairs	Archambault, D.	University Paris 8	France
	Buehler, C.	TU Dortmund University, FTB	Germany
	Coughlan, J.	Smith-Kettlewell Eye Research Institute	USA
	Debevc, M.	University of Maribor	Slovenia
	Fels, D.	Ryerson University	Canada
	Kobayashi, M.	Tsukuba University of Technology	Japan
	Kouroupetroglou, G.	University of Athens	Greece
	Murphy, H.J.	California State University Northridge	USA
	Pawluk, D.	Virginia Commonwealth University	USA
	Suzuki, M.	Kyushu University	Japan
	Wagner, R.	University of Linz	Austria
	Weber, G.	Technische Universitaet Dresden	Germany
	Zagler, W.	Vienna University of Technology	Austria
Young Researcher's Consortium	Archambault, D.	University Paris 8	France
	Fels, D.	Ryerson University	Canada
	Fitzpatrick, D.	Dublin City University	Ireland
	Kobayashi, M.	Tsukuba University of Technology	Japan
	Mihailidis, A.	University of Toronto	Canada
	Morandell, M.	Johannes Kepler University Linz	Austria
	Pontelli, E.	New Mexico State University	USA
	Prazak-Aram, B.	University of Vienna	Austria
	Scaccabarozzi, D.	Politecnico di Milano	Italy
	Weber, G.	TU Dresden	Germany
Zimmermann, G.	Stuttgart Media University	Germany	
Practice and Service Track Chairs	Andreoni, G.	Politecnico di Milano	Italy
	Petz, A.	University of Linz	Austria
	Puehretmair, F.	KI-I, Linz	Austria
	Tarabini M.	Politecnico di Milano	Italy
Programme Committee	Abascal, J	Euskal Herriko Unibertsitatea	Spain
	Abbott, C.	King's College London	United Kingdom
	Abou-Zahra, S.	W3C Web Accessibility Initiative (WAI)	Austria
	Abu Doush, I.	American University of Kuwait	Kuwait
	Andrich, R.	The Global Assistive Technology Information Network (EASTIN)	Italy
	Arató, A.	KFKI-RMKI	Hungary
	Atkinson, M. T.	The Paciello Group	USA
	Augustain, M.	University of Applied Sciences Upper Austria	Austria
	Azevedo, L.	Instituto Superior Tecnico	Portugal
	Banes, D.	Qatar Assistive Technology Center	Qatar
	Barroso, J.	University of Trás-os-Montes e Alto Douro	Portugal
	Batusic, M.	Fabasoft	Austria
	Bernareggi, C.	Universita degli Studi di Milano	Italy
	Bernier, A.	BrailleNet	France
	Bonarini, A.	Politecnico di Milano	Italy
	Bosse, I.	Technische Universitaet Dortmund	Germany
	Bu, J.	Zhejiang University	China
	Burger, D.	INSERM	France
	Carrozza, M. Ch.	Fondazione Don Gnocchi, Scuola Superiore Sant' Anna	Italy

Caruso, G.	Politecnico di Milano	Italy
Chamberlain, H.	Helen Chamberlain Consulting	USA
Chen, W.	Oslo and Akershus University College of Applied Sciences	Norway
Chorbev, I.	Ss. Cyrill and Methodius University in Skopje	Macedonia
Christensen, L. B.	Sensus	Denmark
Conway, V.	WebKeyIT	Australia
Craddock, G.	Centre for Excellence in Universal Design	Ireland
Crombie, D.	Utrecht School of the Arts	The Netherlands
Cudd, P.	University of Sheffield	United Kingdom
Dantas, P.	Universidade Federal do Rio Grande do Norte	Brasil
Darvishy, A.	Zuericher Hochschule fuer Angewandte Wissenschaften	Switzerland
Darzentas, J.	University of Aegean	Greece
Debeljak, M.	University of Ljubljana	Slovenia
DeRuyter, F.	Duke University Medical Centre	USA
Dias, A.	Universidade Federal do Rio Grande do Norte	Brasil
Dolezal, J.	Czech Technical University in Prague	Czech Republic
Draffan, E.A.	University of Southampton	United Kingdom
Dupire, J.	CNAM	France
Emiliani, P.L.	Institute of Applied Physics "Nello Carrara"	Italy
Engelen, J.	Katholieke Universiteit Leuven	Belgium
Galinski, Ch.	InfoTerm	Austria
Gardner, J.	Oregon State University	USA
Hakkinen, M.T.	Educational Testing Service (ETS)	USA
Haselwandter, T.	University of Applied Sciences Upper Austria	Austria
Heimgaertner, R.	Intercultural User Interface Consulting (IUIIC)	Germany
Hoeckner, K.	Hilfsgemeinschaft der Blinden und Sehschwachen	Austria
Inoue, T.	National Rehabilitation Center for Persons with Disabilities	Japan
Iversen, C. M.	U.S. Department of State (retired)	USA
Jaskova, L.	Comenius University of Bratislava	Slovak Republic
Jitngernmadan, P.	Burapha University	Thailand
Kacorri, H.	University of Maryland	USA
Kiswarday, V.	University of Primorska	Slovenia
Koumpis, A.	University of Passau	Germany
Kozuh, I.	University of Maribor	Slovenia
Kueng, J.	Johannes Kepler University Linz	Austria
Kunz, A.	ETH Zuerich	Switzerland
Leblois, A.	G3ict	USA
Lee, C.	G3ICT, IAAP	USA
Lee, S.	W3C Web Accessibility Initiative (WAI)	United Kingdom
Lewis, C.	University of Colorado at Boulder	USA
Lhotska, L.	Czech Technical University in Prague	Czech Republic
Macas, M.	Czech Technical University in Prague	Czech Republic
Magnusson, M.	Moscow State University	Russia
Mavrou, K.	European University Cyprus	Cyprus
McSorley, J.	Pearson	USA
Mirri, S.	University of Bologna	Italy
Mohamad, Y.	Fraunhofer Institute for Applied Information Technology	Germany
Moon, I.	Dong-EUI University	Korea
Mrochen, I.	University of Silesia in Katowice	Poland
Mueller-Putz, G.	TU Graz	Austria
Muratet, M.	INS HEA	France
Normie, L.	Advanced Technologies Evaluation & Planning	Israel
Nussbaum, G.	KI-I, Linz	Austria
Ono, T.	Tsukuba University of Technology	Japan

Oswal, S.	University of Washington	USA
Paciello, M.	The Paciello Group	USA
Panek, P.	Vienna University of Technology	Austria
Paredes, H.	University of Tras-os-Montes e Alto Douro	Portugal
Petrie, H.	University of York	United Kingdom
Pissaloux, E.	University of Rouen Normandy	France
Rasmus-Groehn, K.	Lund University	Sweden
Raynal, M.	University of Toulouse	France
Seeman, L.	Athena ICT	Israel
Sik Lányi, C.	University of Pannonia	Hungary
Simsik, D.	University of Kosice	Slovakia
Slavik, P.	Czech Technical University in Prag	Czech Republic
Sloan, D.	The Paciello Group	United Kingdom
Snaprud, M.	University of Agder	Norway
Starcic, A.	University of Ljubljana	Slovenia
Stepankova, O.	Czech Technical University in Prag	Czech Republic
Stephanidis, C.	University of Crete, FORTH-ICS	Greece
Stiefelhagen, R.	Karlsruhe Institut of Technology	Germany
Stoeger, B.	University of Linz	Austria
Tauber, M.	University of Paderborn	Germany
Teixeira, A.	Universidade de Aveiro	Portugal
Teshima, Y.	Chiba Institute of Technology	Japan
Truck, I.	University Paris 8	France
Tjoa, A.M.	Technical University of Vienna	Austria
Velazquez, R.	Panamerican University	Mexico
Velleman, E.	The Accessibility Foundation	The Netherlands
Vigo, M.	University of Manchester	United Kingdom
Vigouroux, N.	IRIT Toulouse	France
Votis, K.	CERTH/ITI	Greece
Wada, C.	Kyushu Institute of Technology	Japan
Wagner, G.	Upper Austria University of Applied Sciences	Austria
Waszkielwicz, A.	Foundation for Persons with Disabilities (FRONia)	Poland
Watanabe, T.	University of Niigata	Japan
Weber, H.	ITA, University of Kaiserslautern	Germany
White, Jason J	Educational Testing Service (ETS)	USA
Yamaguchi, K.	Nihon University	Japan
Yeliz, Y.	Middle East Technical University	Cyprus

Organization Committee

Politecnico di Milano

Polo Territoriale di Lecco, Italy

Andreoni, G.

Brunetti, V.

Covarrubias Rodriguez, M.

Scaccabarozzi, D.

Tarabini, M.

Masaryk University Brno, Czech Republic

Bukovsky, T.

Hrabovska, L.

Ondra, S.

Pavlíček, R.

Penáz, P.

Válková, H.

Wernerová, P.

Austrian Computer Society, Austria

Seyruck, W.

Höckner, K.

Bieber, R.

Institute Integriert Studieren, JKU Linz, Austria

Feichtenschlager, P.

Heumader, P.

Koutny, R.

Miesenberger, K.

Murillo Morales, T.

Petz, A.

Schult, C.

ICCHP Office

Institute Integriert Studieren,

Johannes Kepler University Linz

Altenbergerstraße 69

A - 4040 Linz

Austria

web <https://www.icchp.org>

mail [icchp\(at\)jku.at](mailto:icchp(at)jku.at)

phone ++43 (0) 732 2468 3750

Glossary of ICCHP Topics

<https://www.icchp.org/topics-20>

The following, non-exhaustive list of topics outlines the scope of ICCHP:

(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 Electronics (e.g. iDTV accessibility) and Built Environment Accessibility; besides aspects like guidelines, standards, techniques and tools for development, evaluation and repair, it gives a particular focus on how to include accessibility into the engineering process.

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

Ambient and Assisted Living (AAL), Internet of Things (IoT) and Sensor Technology outlines the potential, accessibility and usability of the fast-growing application of embedded, smart and pervasive systems for people with disabilities by integrating, enhancing and supporting the interaction via the standardized ICT/HCI/AT experience.

Artificial Intelligence and Autonomous Systems invite to consider Assistive Technologies and user-centered solutions for self-determined user interaction, robotics, efficient and effective service provision in all domains as accessibility, communication and translation (incl. sign/symbol languages and AAC), independent living, sheltered and inclusive work, orientation and mobility, safety and security, learning and education, personalization, health and well-being and inclusive R&D/design.

Assessment, Profiling and Personalization calls for research on methodologies, concepts and techniques for evaluating capabilities and needs of individuals and how to translate them into computable profiles. This should allow better matching of persons and technology. IT looks into the use of alternative abilities and skills to overcome / compensate for functional limitations related to vision, hearing, motor, mobility, cognition and chronic illness.

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 analyzes the potential of shared and configurable Internet based resources for enhanced AT and services as well as the challenges for eAccessibility.

Design for All (Universal Design) highlights the proactive application of principles, methods and tools to meet the requirements of the biggest possible user group including those with disabilities in fields like e.g. architecture, transport, housing, public buildings, work place, information, education.

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

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

eInclusion, Economics, Policies and Legislation outline programmes, legal contexts and funding opportunities aiming at a better exploitation of ICT, AT and eAccessibility for inclusion. It calls for empirical studies and comparative analysis on the state of the art for developing and executing user driven programs.

eLearning and Education illustrate new dimensions opened by ICT/AT for didactic and methodological settings and the changing role for learners, teachers and administrators; it addresses education of people with disabilities in all its aspects, education of service providers and professionals as well as the inclusion of eAccessibility into mainstream education.

Ethics, Safety, Security, Vulnerability, Gender Aspects and Bias of using ICT/AT by people with disabilities, in particular related to the challenges of AI Fairness.

HCI and Non-Classical Interfaces 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 and augmented environments (VR/AR), wearable computing, adaptive interfaces, mobile and touch technology, multimedia, multi- or a-Modal interaction.

History in AT and eInclusion gives a tribute to the founders of our discipline and aims at avoiding to reinvent the wheel.

Labour Market Inclusion 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, economic, organizational 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. This includes presentation and discussion of examples, empirical studies, quality measures and interdisciplinary aspects of a holistic service provision.

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

User Centered Design and User Participation underline the importance of involving end users at eye level in all steps of R&D towards application and present strategies, methods and experiences for a more user driven R&D practice. The success story of many of the user groups invite to reach out and facilitate inclusive R&D for all user groups.