IADIS NEWSLETTER
May 2023 - Issue 17

international association for development of the information society

Upcoming events

October 2023 in Madeira with CELDA, ICWI, AC and ITS

The 20th International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2023), the 22nd International Conference WWW/Internet (ICWI 2023), the 20th International Conference Applied Computing (AC 2023) and the 13th International Conference on Internet Technologies & Society (ITS 2023) will be hosted in Funchal, Madeira, Portugal from 21 to 23 October 2023.

CELDA 2023 - http://www.celda-conf.org/
The CELDA conference aims to address the main issues concerned with evolving learning processes and supporting pedagogies and applications in the digital age. There have been advances in both cognitive psychology and computing that have affected the educational arena. The convergence of these two disciplines is increasing at a fast pace and affecting academia and professional practice in many ways.

ICWI 2023 - http://www.internet-conf.org/
The WWW/Internet 2023 Conference aims to address the main issues of concern within WWW/Internet. WWW and Internet had a huge development in recent years. Aspects of concern are no longer just technical anymore but other aspects have arisen. This conference aims to cover both technological as well as non-technological issues related to these developments.

AC 2023 - https://www.computing-conf.org/
The Applied Computing 2023 conference aims to address the main issues of concern within the applied computing area and related fields. This conference covers essentially technical aspects. The applied computing field is divided into more detailed areas.

ITS 2023 - https://its-conf.org/
The Internet Technologies & Society 2023 Conference aims to address the main issues of concern within WWW/Internet as well as to assess the influence of Internet in the Information Society.

» The official language is English
» All conferences are blind peer-reviewed
» The papers will be published in book and electronic format with ISBN
» The papers will be made available through the Digital Library available at:
  http://www.iadisportal.org/digital-library/showsearch

The best paper authors will be invited to publish extended versions of their papers in the IADIS Journal on Computer Science and Information Systems that is indexed by Emerging Sources Citation Index (Thomson Reuters), the IADIS International Journal on WWW/Internet and other selected International Journals and publications.

For detailed information on the conferences' dates and specific topics, please access each conference webpage.

* Important Dates (2nd Call For Papers):
- Submission Deadline (2nd CFP): 26 June 2023
- Notification to Authors (2nd CFP): 28 July 2023
- Final Camera-Ready Submission and Early Registration (2nd CFP): Until 4 September 2023
- Late Registration (2nd CFP): After 4 September 2023
– Conference: 21 – 23 October 2023

Join us and share your work with researchers from all over the world!

IBERO-AMERICAN CONFERENCES 2023

Funchal, Madeira (Portugal) hosts this year's editions of the IADIS [Ibero-American conference WWW/Internet](#) (CIAWI 2023) and [Applied Computing](#) (CIACA 2023) from 22 -23 October 2023.

CIAWI 2023 - https://ciawi-conf.org/

IADIS Ibero-American conference WWW/Internet addresses the main aspects of the WWW/Internet, approaching both technological and non-technological features.

CIACA 2023 - https://ciaca-conf.org/

The IADIS Ibero-American conference Applied Computing aims to present significant research within the applied computing context, addressing topics that are essentially technical.

Every year these conferences join together Portuguese and Spanish speaking researchers and practitioners. Contributions to these conferences must be either in Portuguese or in Spanish, the official languages of the conferences.

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Keynote Speaker's Corner

Dr. rer.nat. Dr. phil. Norbert A. Streitz

Scientific Director, Smart Future Initiative

Keynote speaker for the MCCSIS 2023

15-18 July, Porto, Portugal
https://mccsis.org/

Dr. Dr. Norbert Streitz (Ph.D. in physics, Ph.D. in cognitive science) is a Senior Scientist and Strategic Advisor with more than 35 years of experience in ICT. Founder and Scientific Director of the Smart Future Initiative launched in 2009. Before, Norbert held different positions as Deputy Director and Division Manager at the Fraunhofer Institute IPSI in Darmstadt, Germany, for more than 20 years and was a Lecturer at the Computer Science Department at Technical University Darmstadt. This was preceeded by being an Assistant Professor at the Technical University Aachen (RWTH). At different times of his career, he was a post-doc research fellow at the University of California, Berkeley, a visiting scholar at Xerox PARC, Palo Alto, and at the Intelligent Systems Lab, MITI, Tsukuba Science City, Japan. Norbert has published/co-edited 36 books/proceedings and authored/coauthored about 170 peer-reviewed papers. His research covers a wide range of areas: Cognitive Science, Human-Computer Interaction, Experience Design, Hypertext/Hypermedia, CSCW, Ubiquitous Computing, Ambient Intelligence, Privacy by Design, Industry 4.0, Autonomous Driving, Hybrid Smart Cities, Smart Airports, Smart Islands. Norbert was a PI of many projects funded by the European Commission as well as industry. He was/is on Advisory Boards and Evaluation Committees of research institutes and on Editorial Boards of relevant journals. Norbert is an elected member of the CHI Academy, the prestigious ACM SIGCHI award honoring his substantial contributions shaping the field of human-computer interaction. (https://www.smart-future.net/norbert-streitz/)

"From HCI and Human-Building Interaction to Citizen-Environment Interaction"

Abstract:
This keynote, addressing several conferences at MCCSIS 2023, presents the grand challenges people are confronted with when interacting with technology in today's smart environments. Originally, the field of Human-Computer Interaction (HCI) investigated the interaction of individual humans with one (desktop) computer and then smart phones. Human-Building Interaction (HBI) represents the shift from laptops and smartphones to smart artifacts and smart materials embedded in the environment, but also a shift in terms of scale and context,

ranging from individual devices for personal activities to multiple devices used in group activities and social interactions. This is followed by the progression from smart rooms (Roomware) to smart or cooperative buildings and their extension to smart urban environments as, e.g., smart cities and airports. The trend towards more comprehensive situations requires a corresponding shift from an individual user-centred design to a multiple people and multiple devices-based citizen-centred approach investigating Citizen-Environment Interaction (CEI) for designing smart urban environments.

At the same time, this development raises fundamental questions about smart services exploiting data collected by sensors via an IoT infrastructure and controlled by software based on machine learning and artificial intelligence. It results in importunate automation, lack of transparency and privacy infringements. Humans are increasingly removed from being the 'operator' and thus in control of their environment and decisions. Our proposal is to redefine this 'Smart-Everything' Paradigm via a citizen-centred and participatory design approach, keeping the human in the loop and considering the relevant design trade-offs. Application examples are taken from the domain of connected smart cities, urban spies, and automated driving as well as rethinking 'smart' islands. Our goal is to move beyond 'smart-only' cities towards Humane, Sociable, Cooperative, Self-aware Hybrid Cities fostering human-technology symbiosis and urban sustainability guided by the Sustainable Development Goals (SDGs) of the United Nations.

<div style="background:#2e9fdf; color:white; text-align:center; font-weight:bold;">Keynote Speaker's Corner</div>

Professor Thomas C. Reeves
Ph.D., Professor Emeritus of Learning, Design, and Technology, The University of Georgia, USA

Keynote speaker for the MCCSIS 2023

15-18 July, Porto, Portugal
https://mccsis.org/

Thomas C. Reeves, PhD is Professor Emeritus of Learning, Design, and Technology in the College of Education at The University of Georgia. He was a Fulbright Lecturer in Peru and has given invited presentations in the USA and more than 30 other countries. In 2003, he received the AACE Fellowship Award from the Association for the Advancement of Computing in Education, in 2010 he was made a Fellow of the Australasian Society for Computers in Learning in Tertiary Education (ASCILITE), and in 2013 he received the Lifetime Award from the International Association for Development of the Information Society (IADIS) as well as the David H. Jonassen Excellence in Research Award by the

Association for Educational Communications and Technology (AECT). He is the former editor of the Journal of Interactive Learning Research, and the author of more than 200 scholarly papers and books. His co-authored books include Interactive Learning Systems Evaluation, A Guide to Authentic E-Learning, Conducting Educational Design Research (two editions), MOOCs and Open Education Around the World, and MOOCs and Open Education in the Global South. His current research interests include educational design research, active learning, and medical and public health education. His scholarly work has been cited over 28,000 times in the research literature placing him among the top two percent of most-cited scientists in the world according to a recent bibliographic analysis.

"How the Failure of e-Learning during the Covid-19 Lockdown Could Have Been Avoided Through Enhanced Learning Design Alignment"

Abstract:

After the World Health Organization (WHO) declared COVID-19 a global pandemic on March 11, 2020, educators at every level struggled to provide adequate learning opportunities for their students. The Covid-19 pandemic shutdowns forced educational institutions to rush to provide online instruction and other forms of digital learning, a massive shift that has been largely dissatisfying for learning and teachers alike. What was forgotten in the race to provide teaching and learning opportunities online was that the effectiveness of e-learning requires careful alignment among seven critical factors: 1) objectives, 2) content, 3) instructional design, 4) learner tasks, 5) instructor roles, 6) technological affordances, and 7) assessment. Research and evaluation studies focused on e-learning programs unambiguously indicate that misalignments among these factors are all too common. For example, although a digital learning program may have appropriate objectives, accurate content, and even innovative instructional designs, its assessment strategies might be misaligned by focusing on what is easy to measure rather than what is important. This presentation will describe the importance of alignment and strategies for designing well-aligned interactive e-learning programs with examples taken from award-winning online learning programs developed by the World Health Organization and other groups.

Latest from the media

The Last Human Clocking Out: Preparing For AI In The Workplace - Forbes

How data-driven solutions are improving urban livability - Tech Native

AI terminology 101: the power of virtual agents in interactive experiences - yourstory.com

Diversifying the tech workforce starts with equity and inclusivity - Fast Company

Cybersecurity: navigating digital privacy in a data driven world - Business Recorder

Machine Learning Model Analyzes Speech To Detect Alzheimer's - Technology Networks

A better way to study ocean currents - MIT News
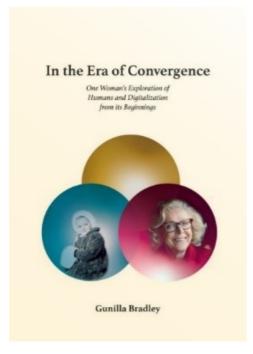
Recommended Reading

In the Era of Convergence

*One Woman's Exploration of
Humans and Digitalization
from its Beginnings*

by Gunilla Bradley

Available now as **e-book** and
paperback. Order with fast delivery
from Amazon.com or Amazon.se
depending on where you are.

ISBN: Printed book 978-91-527-1808-7
ISBN: E-book 978-91-527-1809-4

"Gunilla Bradley, Professor Emerita in Informatics at KTH Royal Institute of
Technology, shares her journey from growing up in the 1940s in a small village
in Småland to working in the academic world in Sweden and internationally. She
explored how digitalization changed our work lives and social lives during
various historical periods, over more than 40 years. Her extended academic
autobiography is also a personal meditation on life. Bradley's story is that of a
woman in academia, at a time and in a field where gender mattered and
continues to matter"

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