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TECHNOLOGY, ENGINEERING, AND INNOVATION MANAGEMENT COMMUNITIES AS ENABLERS FOR SOCIAL-ECOLOGICAL TRANSITIONS

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2022 IEEE 28th International Conference on Engineering, Technology and Innovation (ICE/ITMC) & 31st International Association For Management of Technology (IAMOT) Joint Conference ©

ICE/ITMC is the International Conference on Engineering, Technology, and Innovation. It developed from an early focus on the engineering method of concurrent engineering, to general organization of the engineering process and its organization within the corporation and in networks.

The International Association for Management of Technology (IAMOT) is a non-governmental, non-profit organization incorporated in 1992 in the State of Florida, USA. Its purpose is to encourage high quality research and education in the field of management of technology (MOT).

In 2020 and 2021 successively, these two leading communities on Management of Technology, Engineering and Innovation organized on-line versions of their scientific conferences, showing much-needed adaptability in a pandemic situation.

In 2022, for the first time ever these two communities worked together, aiming to explore new ways for these technology management and innovation communities to interact and come up with innovative solutions to the critical global issues of our time.

This joint event was the place where research, science and industry innovators were invited to contribute original ideas, papers, special sessions, workshops and open initiatives.

The main aim was to explore the role of Management of Technology, Engineering and Innovation aiming to contribute to the Social-Ecological Transitions covering not only product and process but also changes in user practices, markets, policy, regulations, culture, infrastructure, lifestyle and management of firms.

The conference was hosted by the Université de Lorraine in Nancy, France, and organized by the ENSGSI (Engineering School on Innovation Systems) and the ERPI (Research Group on Innovative processes, member of the Energy, Materials, Product, Process – EMPP research department, the Institut Carnot ICEEL and the SIMPPE doctoral School).

For this first edition, 242 papers were submitted, 190 were accepted and 184 were presented. Moreover, 7 European projects (DIY4U, INEDIT, iPRODUCE, OPEN! NEXT, DigiTeRRI, Climate Labs, HyValue) participated to the joint conference and a scientific exhibition was proposed giving the opportunity to experiment technologies and innovations in Living Lab mode at Octroi Nancy (the creative and citizen third place of the city of Nancy, France).

Finally, June 16th – 18th, just before the joint conference, we organized the NITIM 2022 Summer School. The NITIM school facilitate the development of doctoral research in the interdisciplinary field of Networks, Information, Technology and Innovation Management, bringing together PhD candidates and faculty members in a focused, in-depth, and constructive discussion of the candidates' research work.

We are proud that 473 participants of 45 nationalities have registered for the different moments of this program.

Pr. Laure Morel, Dr Laurent Dupont & Pr. Mauricio Camargo
General Chairs

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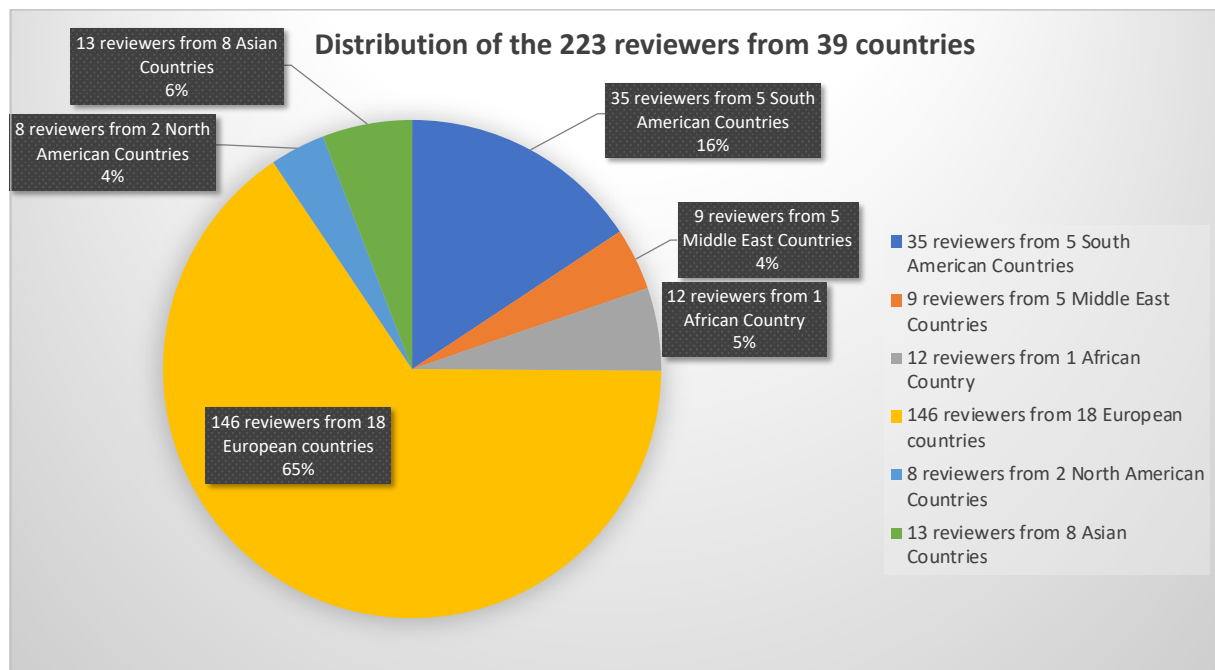
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Cyclical Transformation of Value Creation for Smart Services

Jannik Reinhold¹, Christian Koldewey¹, Roman Dumitrescu²

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Collaborative capacity of open-source hardware communities: A cross-sectional study

Robert Mies¹, J  r  my Bonvoisin²

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Best IAMOT paper

The Forest Industry and Development Within South Africa and Other Southern African Development Community Countries

Karen Louise Schmidt¹, Wouter Gideon Bam¹, Philani Nduna Zincume¹, Karolien De Bruyne^{1,2}

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Foreign direct investment and host firms' technology development: The moderating role of overall and STEM education

Jihoon Shin¹, Miguel Amaral², Ana Cristina Barros³, M. Granger Morgan¹

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A Study of Adoption and Effects of DevOps Practices

Tyron Offerman, Robert Blinde, Christoph Johann Stettina, Joost Visser

LIACS, Leiden University, Niels Bohrweg 1, 2333 CA Leiden, The Netherlands

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Understanding inclusive innovation in informal economy, a conceptual model

Milena Legarda-L  pez¹, Mar  a Luisa Villalba², Walter Ruiz-Casta  eda¹

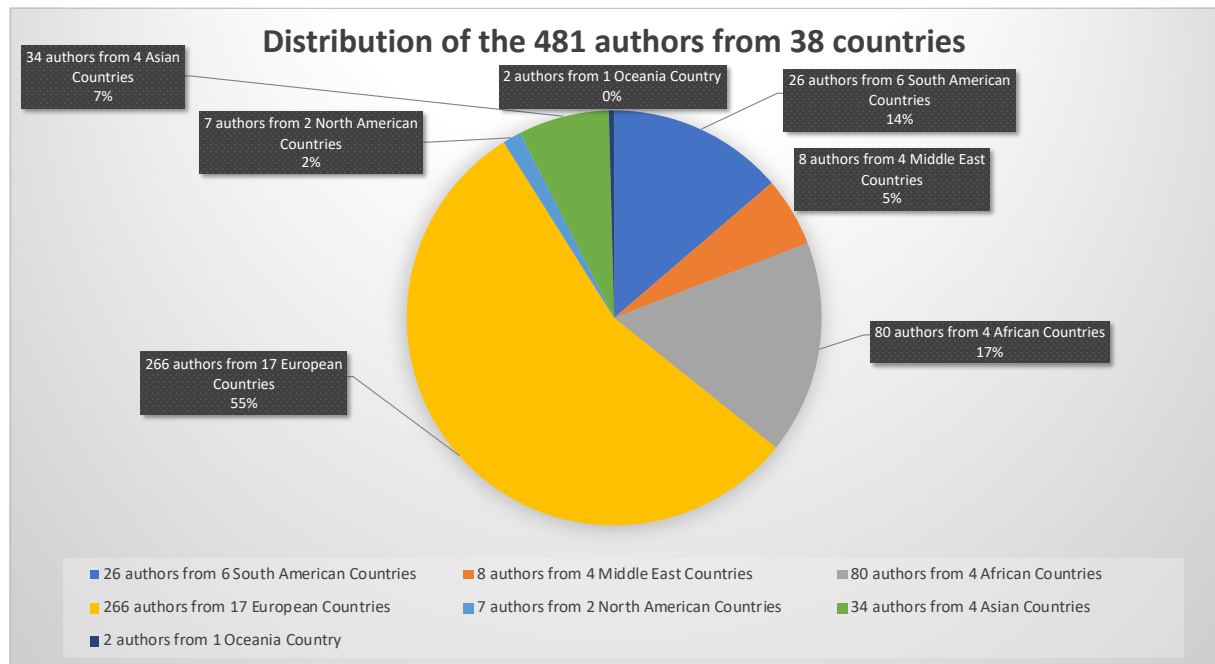
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