

**Call for Contributions and Participation
ICNC Workshop, Feb 19-22, 2024, Big Island, Hawaii on**

***Teaching and Career Prospects for Computational and Societal Sustainability
in the Era of Anthropozoic Climate Change***

Steering Committee:	Prashant Shenoy - University of Massachusetts-Amherst, USA Omid Ardakanian - University of Alberta, Canada Christina Hansen – University of Passau, Germany Hermann de Meer – University of Passau, Germany Srinivasan Keshav - University of Cambridge, UK Sigrid Raps, StDin, Tassilo-Gymnasium Simbach am Inn, Germany Erwin Rauch, Free University of Bolzano, Italy
Contact:	icnc-workshop-sustainability@uni-passau.de
Co-Location:	http://www.conf-icnc.org/2024/
Publication Venue:	Special Issue of ACM SIGEnergy Energy Informatics Review Journal
Submissions:	Extended Abstracts up to two pages, no later than Nov. 15th 2023 : Keynote presentation, working group organization, or topics proposed for discussion https://edas.info/N31172
Publications:	Post workshop Full Papers (invited), solicitation by Steering Committee

Workshop Motivation:

This hybrid workshop, entitled "Teaching and Career Prospects for Computational and Societal Sustainability in the Era of Anthropozoic Climate Change", aims at exploring the crucial role of combining computer science, education, and innovative career resources in tackling the urgent global challenges of climate change, since the interdependencies and the dynamic interplay between various societal infrastructures necessitate a holistic, societal-scale climate protection effort on global, national as well as local levels.

As the world grapples with pressing environmental concerns such as climate change and resource depletion, the demand for jobs that contribute to sustainable practices is increasing. As industries adapt to environmental concerns, new job roles will emerge while others may become obsolete.

Students who research and prepare for these emerging jobs will be better positioned to secure stable employment in a rapidly changing job market.

Experts and practitioners from various fields, including computer science, green entrepreneurship, career counselling and education will thus share their insights, experiences and project outcomes during the workshop, seeking to promote collaboration between university experts, on-the-job professionals, educational institutions and prospective graduates interested in environment-focused careers to stimulate discussion and initiate a culture of eco-friendly education based on highlighting new and emerging careers in sustainability, green technology, renewable energy and environmental policy, thereby facilitating networking opportunities among educators, researchers and professionals to foster interdisciplinary collaborations.

Workshop Format and Content:

The workshop will be organized around *invited keynotes* to be given by well-known speakers from the Steering Committee and beyond, covering multiple disciplines, roles and perspectives. Already committed talks range from Computer Networking and Energy Informatics via Training of Engineers for Sustainability all the way to green IT or environmental monitoring topics relevant to Job Placement/Employment Networks and Organizations like EURES or the “Bundesagentur fuer Arbeit (Heike Jakobs). The workshop shall not only address the attendees of the core workshop itself but solicits interested attendees of ICNC 2024 in general to participate. In particular, *working groups* around the keynote topics will be formed enabling active participation by all attendees of the workshop. While the workshop is predominantly organized in presence, the working groups will also be open for a remote participation by those who will not be able to attend in person. Possibility of remote attendance will be particularly important due to a strategic alliance that has been formed between the workshop and the European ERASMUS EE4M project (Erwin Rauch). EE4M addresses the increasing needs for training, re-, and upskilling of engineers in the mobility value chain from raw material to recycling and back into the loop, the workshop will also serve as a platform to showcase the pivotal role of schools and universities in nurturing a new generation of environmentally conscious and digitally literate professionals, focussing on engineering. During the EE4M project, more than 1,000 VET teachers/trainers, practitioners, and students from all over Europe within EQF levels 4-8 will be enabled to acquire transdisciplinary skills in the field of smart and sustainable Operational Management through innovative teaching and learning environments. As many members of EE4M as possible shall have the opportunity to participate at the workshop. At least one of the keynotes of the workshop will also be provided by a prominent member of EE4M. Also students and teachers of high schools are solicited to participate, both from EE4M and other (high) schools like the Tassilo-Gymnasium.

