Invitation call for papers

ideas

how to turn interdisciplinary dialogues into action?

interdisciplinary Conference on innovation in design, entrepreneurship, and sustainable systems

**Manaus, Brazil
June 17-19 2019**

RSVP http://eventos.ufabc.edu.br/ideas/

1. Ideas

1.1. The Concept

Over the past decades, innovations have emerged from problem-oriented research based on knowledge integration at the intersection of different disciplines. Therefore, interdisciplinary collaboration has been critical to find solutions for complex societal challenges.

However, there are little spaces within and beyond the academy where researchers are encouraged to defy their field's boundaries -- leveraging their disciplinary mindset into contributions to broad domains, particularly within the Science, Technology, Engineering, Entrepreneurship, and Management (STEEM) and across Social Sciences and the Humanities.

ideas conference is intended to be an arena for a new generation of researchers who understand the importance of linking STEEM to business development, and companies and organizations innovation. It will be held every two years in Brazil as a face-to-face forum for researchers, post-graduate students, policy-makers, and industry practitioners to share resources, techniques, findings, and experiences related to technological innovation. The conference is designed to be a meeting point to debate strategies for realizing such a convergence of perspectives.

1.2. Aim

ideas aims to stimulate novel questions and challenge existing policy and practices on more innovative and sustainable systems. Throughout history, technological innovation has led to the most significant dimensions of development – economic, social, and environmental - underpinning core changes in the way we live. In other words, we seek more efficient ways on how to transform research inputs into socioeconomic outputs.

1.3. Theme

how to turn interdisciplinary dialogues into action? The foundations of innovation dynamics lay on integrating knowledge to propose new systems and constantly refining our approach to meet the needs of a rapidly changing world. There is an increasing realization that this level is hard to address properly without communication among the respective scientific communities.

1.4. Venue

ideas 2019 will take place from Monday, June 17 to Wednesday, June 19, 2019 at the Federal University of Amazonas, Manaus, Brazil.

Manaus, a city known as the heart of the Amazon Rainforest, is a major industrial center. The bustling city of 1.5 million people, lies along the banks of the Rio Negro, one of the Amazon's two major tributaries, which join near Manaus in a spectacle called "The Meeting of the Waters" The Rio Negro and Rio Solimões display two distinct shades of brown as they join to form the mighty Amazon as it flows toward the Atlantic.

Manaus is also an industrial center. Its industry consists of brewing, ship building, chemical production, and petroleum refining. The Manaus Industrial Sector Science, Technology and Innovation Center focuses on increase competitiveness through advanced technologies that allow the best use of the region's potential to innovate.

1.5. Organizing Committee

- José Reginaldo Hughes de Carvalho
  Federal University of Amazonas, Brazil
- Victor Juliano De Negri,
  Federal University of Santa Catarina, Brazil
- Magnus Klofsten
  Linköping University, Sweden
- Petter Krus
  Linköping University, Brazil
- Luciana Pereira
  Federal University of ABC, Brazil

1.6. Scientific Committee

Alessandra Akkari, Mackenzie Presbiterian University, Brazil
Daniel Capaldo Amaral, University of São Paulo, Brazil
Glauco Arbix, University of São Paulo, Brazil
Karina Assis, Federal University of São Carlos, Brazil
Thorsten Bartel, Fraunhofer-Institut LBF, Germany
Janaina Maciel Braga, Nilton Lins University, Brazil
Iara R. Soares Chao, São Paulo Water and Waste Company, Brazil
Diogo Rosenthal Coutinho, University of São Paulo Brazil
Mattias Elg, Linköping University, Sweden
Renato Garcia, State University of Campinas, Brazil
Luiz Carlos Goes, Aeronautics Institute of Technology, Brazil
Mario Aguirre Gonzales, Federal University of Rio Grande do Norte, Brazil
William Gtosky, University of Michigan, USA
Kerstin Johansen, Linköping University, Sweden
Deny Willy Junaidy, Bandung Institute of Technology, Indonesia

Wisdom Kanda, Linköping University, Sweden
Solmaz Filiz Karabag, Linköping University, Sweden
Henrik Kock, Linköping University, Sweden
Paulo Kurka, State University of Campinas, Brazil
Mattias Lindahl, Linköping University, Sweden
Christer Ljungwall, Peking University, China
José Roberto Dale Luche, State University of São Paulo, Brazil
Nelson Tavers Matias, Teresa Dávila University Center, Brazil
Akane Matsumae, Kyushu University, Japan
Adriana Marotti de Melo, University of São Paulo, Brazil
Josivaldo Cesar Modesto, Mamirauá Sustainable Development Institute, Brazil
Lina Moreira, GENYZ, Brazil
Edleno Silva de Moura, Federal University of Amazonas, Brazil
André Ogliar, Federal University of Santa Catarina, Brazil
Johan Ölvander, Linköping University, Sweden
Luis Carlos Paschoarelli, State University of São Paulo, Brazil
Aderson Campos Passos, Militar Institute of Engineering, Brazil
Marcelo Caldeira Pedroso, University of São Paulo, Brazil
Marcela Savia P. Pessoa, Amazonas State University, Brazil
Anna Öhrwall Rönnbäck, Luleå Technical University, Sweden
Mikael Román, Linköping University, Sweden
Suzana Russo, Federal University of Sergipe, Brazil
Mario Sergio Salerno, University of São Paulo, Brazil
Kristine Samson, Roskilde University, Denmark
Gabriela Scur, FEI University Center, Brazil
Andrés Serbin, CRIES, Argentina
Ricardo Serudo, Amazonas State University, Brazil
Thiago Caliari Silva, Aeronautics Institute of Technology, Brazil
Louise Trygg, Linköping University, Sweden
Emilia Villani, Aeronautics Institute of Technology, Brazil
Dalton Chaves Vilela Jr, Federal University of Amazonas, Brazil
Irlan von Linsingen, Federal University of Santa Catarina, Brazil
Juarez Xavier, São Paulo State University, Brazil
Eduardo Zancul, University of São Paulo, Brazil

2. Call for Papers

2.1. Preparing your Paper

We welcome research papers and work-in-progress contributions. We highly value interdisciplinary work and are particularly interested in papers that illustrate an interdisciplinary approach yet are also open to specialized papers on a relevant topic from any scientific discipline. Accepted papers will be presented at the conference. The best paper will receive the ideas Best Paper Award.

2.2. Publication

On the basis of the papers submitted, contributions will become a chapter to a book published by Springer Verlag. Potential authors will be invited to submit their papers to selected Brazilian journals. Note that submitting work to the conference does not create any obligation to publish.

2.3. Axial themes

ideas is organized around central themes showcasing interdisciplinary-based panels related to innovation, Design, Entrepreneurship, and Sustainable Systems that transversally extend the collective vision with a common ground through cross-cutting innovation efforts in topics such as:

- Energy: secure, clean and efficient energy
- Environment: climate action, resource efficiency and raw materials
- Food Security: sustainable agriculture and forestry
- Health: demographic change and wellbeing
- Multicultural society: inclusive, diverse and reflective
- Poverty reduction: education
- Secure societies - protecting freedom and security of citizens
- Transport: smart, green and integrated transportation
- Water: protect and conserve water, inland, marine and maritime

The axial themes provide a cross-cutting platform with the potential to address multiple questions important in finding solutions for the society problems

- How to find a purpose for a particular technology or set of resources matching it to the right business model?
- How to identify and create new opportunities for business development?
- How to design new independent or corporate business initiatives?
- How established multinational and Small and Medium Companies can strengthen capabilities in designing innovative technologies as well as commercializing them.

TOPICS COVERED

1. INNOVATION
1.1. Economics
1.2. Education
1.3. Inclusive
1.4. Law
1.5. Management
1.6. Policy
1.7. Strategy

2. DESIGN
2.1. Cognitive/ Cognition design
2.2. Data driven design
2.3. Design for healthcare
2.4. Design for sustainability
2.5. Prototyping and representation
2.6. Service design
2.7. Universal design

3. ENTREPRENEURSHIP
3.1. Academic entrepreneurship
3.2. Corporate entrepreneurship
3.3. Entrepreneurial culture
3.4. Entrepreneurial finance
3.5. Entrepreneurship ecosystem
3.6. Social entrepreneurship
3.7. Successful/ unsuccessful cases

4. SUSTAINABLE SYSTEMS
4.1. Environmental systems
4.2. ICT/ gaming/ entertainment
4.3. Industrial/ automation/ robotics
4.4. Cyber-physical systems
4.5. Smart cities.
4.6. Social systems
4.7. Systems engineering, SoS

2.4. Guide for authors

Before preparing your abstract please review the instructions below.

Criteria for abstracts

Abstracts must include sufficient information for reviewers to judge the nature and significance of the topic, the adequacy of the investigative strategy, the nature of the results, and the conclusions. The abstract should summarize the substantive results of the work.

An abstract is an outline/summary of your paper and your whole project. It should have an intro, body, and conclusion. It is a well-developed paragraph, should be exact in wording, and must be understandable to a wide audience. Abstracts should be no more than 250 words, formatted in Microsoft Word, and single-spaced, using size 12 Times New Roman font.

Abstracts highlight major points of your research and explain why your work is important; what your purpose was, how you went about your project, what you learned, and what you concluded.

Criteria for full papers
The assessment of your paper will be based on the following criteria:

1. Originality of ideas/approach and level of innovativeness

- Are the ideas advanced in the paper actually new?
- If conceptual, does the paper expand our understanding of a new domain?
- Does the paper/extended introduce new constructs or concepts that broaden our understanding?

2. Relevance for interdisciplinarity in innovation in design, entrepreneurship, and sustainable systems

- Does the paper address interdisciplinary theoretical or empirical problem?
- Does the paper connect to other disciplinary field?
- Collaborative papers are encouraged, e.g. technical *and* economics.

3. Quality of theoretical argument

- Does the paper present clearly the main propositions and/or hypotheses that will be discussed and unfold in the full paper?
- Does the paper present a clear, precise and complete review of relevant literature?
- Does the theoretical argument engage the conceptual/ empirical investigation appropriately?
- Does the paper involve the relevant literature?

4. Quality of empirical or conceptual design

If the paper is EMPIRICAL, please consider the following:

- Are the methods used to collect and analyze data appropriate to the research questions asked?
- Are the data collection and analysis methods clearly explained and without major flaws?

If the paper is CONCEPTUAL, please consider the following:

- Do(es) the author(s) provide a clear argument for why it is important to discuss, define, and/or question specific concepts, models, and/or ideas?

5. Quality of development and support for the propositions/hypotheses

If the paper is EMPIRICAL, please consider the following:

- Does the paper establish a clear link between theory and evidence?
- Does the author conclude beyond what the data support?

If the paper is CONCEPTUAL, please consider the following:

- Does the paper develop adequate and innovative propositions to clarify, define, and question core concepts in the field and/or to develop a new theory or perspective?

2.5. Paper submission

Abstracts and full paper should be submitted here:

http://eventos.ufabc.edu.br/ideas/

IMPORTANT DATES

Deadline for abstract submission: December 16, 2018
Notification of acceptance: January 7, 2019
Deadline for full paper submission: March 1, 2019
Notification of acceptance: April 5, 2019
Conference registration: April 10, 2019
Ideas conference begins June 17, 2019