Call for Workshop Papers

II Workshop on Conceptual Modeling, Semantic Technologies and Data platforms for Smart Food Systems (SmartFood 2024)

https://sites.google.com/view/smartfoodworkshop/smartfood-2024

Pittsburgh, Pennsylvania

28-31 October 2024

To be held in conjunction with the 43rd International Conference on Conceptual Modeling, ER 2024

http://ER2024.org

Workshop Description

The future of food production and consumption is being shaped now as a combination of different kinds of technology, including among others big data, mobile technologies, robotics, remote-sensing services, virtual and augmented reality, distributed computing, the Internet of things, adaptive systems, Semantic Web technologies, etc. In fact, this field is also often referred to as Smart Food Systems, Digital agriculture, e-Agriculture, Agriculture 4.0, or Smart Agriculture. Agriculture is still considered one of the least digitized productive sectors in the world, and it can profit from the benefits of digitization and research effort in this direction.

Conceptual Modeling is essential to develop smart food systems, by providing a solid basis to support the integration and interoperability of all these kinds of technologies. In particular, semantic technologies are applied in different domains of agriculture and smart food systems, playing an important role in data interoperability, sharing, and reuse [6]. These technologies include ontologies (i.e., shared semantically well-founded conceptualizations of given domains of discourse) and controlled vocabularies (i.e., systematic arrangements of concepts developed to cover the date description needs of a particular community). By using such technologies to build smart food data platforms, it is possible to support reuse and allow such platforms to make more accurate data analysis.

Topics of interest include, but are not limited to:
- Conceptual modeling targeting Smart Food Systems
- Semantic modeling targeting Smart Food Systems
- Semantic Web, ontologies, thesaurus, Metadata Schemas, and triple stores applied to Smart Food Systems
- Smart Food Data Platforms, Frameworks and Architectures
- Smart Food System Requirements
- Smart Food Supply and Demand Conceptual Models
- Contextualized and Behavior Analytics-based Models for Agri-food Systems

- The Interplay of Data and Sustainable Business Models for Smart Food Systems
- Conceptual and Semantic Modeling for Smart Food Recommender Systems
- Industrial/Farm Applications of Smart Food Semantic/Data Technologies

Important Dates

Abstract Submission (Optional) not later than **13 July 2024**

Paper Submission not later than **27 July 2024**

Paper Notification not later than **11 August 2024**

Camera-Ready Version **30 August 2024**

Conference **28-31 October 2024**

Workshop Organizers:

Filipi Miranda Soares, University of São Paulo, Brazil & University of Twente, the Netherlands

Gayane Sedrakyan, University of Twente, the Netherlands

Renata Guizzardi, University of Twente, the Netherlands

Catherine Faron, Université Côte d'Azur, France

Program Committee Members (a tentative list)

- Anand Gavai, assistant professor, Wageningen University & Research/University of Twente, Netherlands (confirmed)
- Antonio Mauro Saraiva, Professor at the University of Sao Paulo, Brazil
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- Cynthia Parr, USDA, USA
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- Kelly Rosa Braghetto, Professor at the University of Sao Paulo, Brazil (confirmed)
- Nadia Yacoubi Ayadi, CNRS, France
- Patrice Buche, senior research engineer, IATE, INRAE, Montpellier, France
- Valeria Pesce, Food and Agriculture Organization (FAO), Italy

Submission Guidelines

Submit papers via EasyChair for ER 2024 to the "AIMM 2024 Workshop Papers" Track.

Since the proceedings will be published by Springer in the LNCS series, authors must submit manuscripts using the LNCS style or Overleaf. The page limit is 16 pages (excluding references). Papers will be judged on contribution, literature basis, novelty, clarity, relevance, and rigor. The review process is double-blind. Submissions must be anonymized.