

INVITED SESSION SUMMARY

<p>Title of Session:</p> <p>Advances in Health Informatics</p>
<p>Name, Title and Affiliation of Chair:</p> <p>1. Daniela Gifu, Romanian Academy – Iasi Branch</p> <p>Name, Title and Affiliation of Co-Chairs:</p> <p>2. Richard DUFOUR, Nantes University, France 3. Ferucio-Laurențiu ȚIPLEA, “Alexandru Ioan Cuza” University of Iași, Romania</p>
<p>Details of Session (including aim and scope):</p> <p>This track welcomes algorithmic, methodological or empirical original contributions, and theories relevant to the broader context of health informatics by bringing together practitioners, researchers, and scholars to share examples, use cases, theories and analysis of biomedical data. Submissions can focus on one or more specific aspects of theory, design, development, evaluation, or deployment.</p> <p>The topics of interest include, but are not limited, to:</p> <ol style="list-style-type: none"> 1. Interactive health technologies: <ol style="list-style-type: none"> a. information technology for healthcare delivery and management, interactive visualizations for health text data and speech corpora, user interactions with decision-support systems, human factors for electronic health records and other types of clinical applications, interaction design for wearable and ubiquitous health technologies, interaction design of novel multimodal health devices); 2. Analytics: <ol style="list-style-type: none"> a. Novel methods for exploring and analyzing healthcare data (biomedical pattern recognition, biomarker discovery, disease profiling and personalized treatment, natural language processing and text mining, speech processing and recognition with application in health, large language models (LLMs) applied in health, recommender systems, clinical phenotyping, visual analytics, explainability and transparency in health systems, and epidemiological modeling); b. Big data related topics (distribution and parallelization of data analytics in healthcare, large scale textual and graph data analytics, optimization of data analytics techniques, and novel statistical approaches to big data analytics in healthcare); c. Evaluation and validation of methods in healthcare data analytics; 3. Security and privacy: <ol style="list-style-type: none"> a. Privacy and security in sharing and communicating health care information; b. Healthcare data quality and integrity; c. Design, development, deployment, and evaluation of high-performing privacy-preserving and secure software or hardware systems.
<p>Main Contributing Researchers / Research Centres (tentative, if known at this stage):</p> <ul style="list-style-type: none"> • Institute of Computer Science Iasi at the Romanian Academy • LS2N – TALN Team • Research @ FIL – Facultatea de Informatică (uaic.ro)

Website URL of Call for Papers (if any):

under construction

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