

April 5-8, 2022
Qui Nhon, Vietnam
www.mmm2022.org

MMM 2022

28th International Conference
on MultiMedia Modeling

MMM is a leading international conference for researchers and industry practitioners for sharing new ideas, original research results and practical experiences from all MMM related areas. The conference calls for research papers reporting original investigation results and demonstrations reporting novel and compelling applications. Special sessions, workshops, keynotes and the Video Browser Showdown contribute to a high-quality program.

B MMM is now a B-ranked conference, following the CORE ranking updates published in June 2021

General Chairs

- Minh-Triet Tran, University of Science, VNU-HCM
- Björn Pór Jónsson, IT University of Copenhagen
- Cathal Gurrin, Dublin City University

Community Direction Chairs

- Jan Zahálka, Czech Technical University in Prague
- Maria Eskevich, CLARIN
- Tat-Seng Chua, National University of Singapore

Technical Program Chairs

- Duc-Tien Dang-Nguyen, University of Bergen
- Anita Min-Chun Hu, National Tsing Hua University
- Huynh Thi Thanh Binh, Hanoi University of Science and Technology

Technical Program Coordinator

- Benoit Huet, Median

Demo Chairs

- Aaron Duane, IT University of Copenhagen
- Binh Nguyen, HCM University of Science

Local Arrangement

- Tien Dinh, University of Science, VNU-HCM
- Vu Nguyen, University of Science, VNU-HCM
- Vu Lam, University of Science, VNU-HCM

Web Chairs

- Omar Shahbaz Khan, IT University of Copenhagen
- Mai-Khiem Tran, University of Science, VNU-HCM
- Viet-Tham Huynh, University of Science, VNU-HCM

Steering Committee

- Phoebe Chen, La Trobe University
- Tat-Seng Chua, National University of Singapore
- Kiyoharu Aizawa, University of Tokyo
- Cathal Gurrin, Dublin City University
- Benoit Huet, Median
- Klaus Schoeffmann, Klagenfurt University
- Richang Hong, Hefei University of Technology
- Björn Pór Jónsson, IT University of Copenhagen
- Guo-Jun Qi, University of Central Florida
- Wen-Huang Cheng, National Chiao Tung U.
- Peng Cui, Tsinghua University

MMM topics of interest include:

Multimedia Content Analysis

- Multimedia Indexing
- Multimedia Mining
- Multimedia Abstraction and Summarisation
- Multimedia Annotation, Tagging and Recommendation
- Multimodal Analysis for Retrieval Applications
- Semantic Analysis of Multimedia and Contextual Data
- Interactive Multimodal Analysis
- Multimedia Knowledge Acquisition and Construction
- Multimedia Verification
- Multimedia Fusion Methods
- Multimedia Content Generation

Multimedia Signal Processing and Communications

- Media Representation and Algorithms
- Audio, Image, Video Processing, Coding and Compression
- Multimedia Sensors and Interaction Modes
- Multimedia Privacy, Security and Content Protection
- Multimedia Standards and Related Issues
- Advances in Multimedia Networking and Streaming
- Multimedia Databases, Content Delivery and Transport
- Wireless and Mobile Multimedia Networking
- Multimedia Security and Privacy
- Sensor Networks (Video Surveillance, Distributed Systems)
- Multi-Camera and Multi-View Systems

Multimedia Applications and Services

- Media Content Browsing and Retrieval Tools
- Augmented and Virtual Reality, Virtual Environments
- Real-Time and Interactive Multimedia Applications
- Multimedia Analytics Applications
- Mobile Multimedia Applications
- Multimedia Authoring and Personalisation
- Multimodal Conversation, Q&A, and Recommendation
- Educational and Social Multimedia Applications
- Multimedia for e-Health and Medical Applications
- Emerging Trends (multimedia research commercialisation, digital transformation, etc.)

Important dates

Regular/Special Session Paper Submission Deadline: Sep 13, 2021
Regular/Special Session Paper Notification: Oct 25, 2021
Camera Ready and Registration Deadline: Nov 15, 2021

The conference proceedings will be published as series of Lecture Notes in Computer Science (LNCS) by Springer. Regular and special session paper submissions will be peer-reviewed in a double-blind process. Selected regular papers will be invited to a special journal issue.

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MMM 2022 invites submissions to the following special sessions and workshops:

MULTISAT: Multimodal Analysis and Retrieval of Satellite Images and Georeferenced Multimedia

Ilias Gialampoukidis, Stefanos Vrochidis, Guido Vingione, Ioannis Papoutsis, Mihai Datcu, Ioannis Kompatsiaris

This special session aims to support analysis, understanding, interpretability and explainability in Artificial Intelligence methods for Copernicus and other high-resolution satellite images, and georeferenced multimedia in general.

MULTIMED: Multimedia and Multimodal Analytics in the Medical Domain and Pervasive Environments

Thanassis Mavropoulos, Georgios Meditskos, Klaus Schöffmann, Leo Wanner, Stefanos Vrochidis, Athanasios Tzioufas

This special session aims at presenting the most recent works and applications in the area of multimedia analysis and digital health solutions in medical domains and pervasive environments.

MDRE: Multimedia Datasets for Repeatable Experimentation

Cathal Gurrin, Duc-Tien Dang-Nguyen, Björn Þór Jónsson, Adam Jatowt, Liting Zhou, Graham Healy

This special session focuses on sharing data and code to allow other researchers to replicate research results, with a long term goal of improving the performance of systems and the reproducibility of published papers.

MAPTA: Multimedia Analytics: Perspectives, Tools and Applications

Björn Þór Jónsson, Stevan Rudinac, Xirong Li, Cathal Gurrin, Laurent Amsaleg

This special session focuses on multimedia analytics, a developing research area that focuses on creating interactive human-in-the-loop systems for analysing large-scale multimedia collections.

MACHU: Multimedia Analytics for Contextual Human Understanding

Duc-Tien Dang-Nguyen, Minh-Son Dao, Cathal Gurrin, Ye Zheng, Thittaporn Ganokratanaa, Hung Tran-The, Zhihan Lv

This special session is concerned with the many challenges of modelling individuals using contextual human data and provides a forum for researchers and practitioners to publish and discuss aspects of human contextual modeling.

Important dates

Special Session Paper Submission Deadline: Sep 13, 2021
Special Session Paper Notification: Oct 25, 2021
Camera Ready and Registration Deadline: Nov 15, 2021

The conference proceedings will be published as series of Lecture Notes in Computer Science (LNCS) by Springer. All special session paper submissions will be peer-reviewed in a double-blind process.

AMSML: Analysis of Medical and Sports Sensor Data Using Machine Learning

Michael Alexander Riegler, Pål Halvorsen, Steven Hicks, Vajira Thambawita

Machine learning has shown immense power in analyzing sensor data collected for medical and sports applications, where hundreds of papers are published in this area during this last year alone. The Analysis of Medical and Sports Sensor Data Using Machine Learning (AMSML) workshop aims to contribute to this area and focuses on using machine learning to analyze medical and sports data collected from different sensory devices. The workshop will provide an open forum for general MMM attendees where established researchers will share their experience working in the field of sports and medicine.

Website: <https://2022.amsml.com/>

Submission Deadline: January 15, 2022

research2biz: From Research to Prototype

Duc-Tien Dang-Nguyen, João Ribeiro, Minh-Triet Tran, Thanh Duc Ngo, Van-Tu Ninh, Tu-Khiem Le, Cathal Gurrin

The research2biz workshop will focus on supporting attendees, specially early state researchers, to translate their research from the lab to real-world application. The workshop activities will begin before the MMM conference by organising virtual training sessions in the months before the conference and setting a list of tasks for attendees, with workshops focused on sharing experiences and providing a tutorial to attendees from experienced academics on the process of research commercialisation. The workshop will provide an open half-day session for general MMM attendees to attend.

Website: <https://research2biz.hcmus.edu.vn/>

Submission Deadline: January 15, 2022

SPECIAL SESSIONS

WORKSHOPS