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| Technical Committee on Multimedia Computing (TCMC)<https://tc.computer.org/tcmc/>**Welcome to the January 2023 edition of the IEEE-TCMC monthly newsletter**To join TCMC: <https://www.computer.org/communities/technical-committees/tcmc> |
| This month's topics include:Call for Papers:* IEEE IRI 2023
* IEEE ICME 2023
* ACM MM 2023
* ACM Transactions on Multimedia Computing, Communications, and Applications - Special Issue
* IJMDEM
* IEEE MultiMedia (Impact Factor: 3.491)

Call for Nomination:* IEEE TMM Best Paper Award
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| **Call for Papers** |
| IEEE 24th International Conference on Information Reuse and Integration for Data Science (IEEE IRI 2023) Belllevue, WA, USA, August 1 – 3, 2023<http://homepages.uc.edu/~niunn/IRI23>This conference explores three major tracks, with topics include, but not limited to:* Track 1: Information Reuse: 1) Data Science & Technologies - Heuristic Acquisition; 2) Data & Knowledge Representation and Management; 3) Data Visualization; 4) Information Science; 5) Theory Contemporary as well as Novel Data Mining Techniques; 6) Graph Models; 7) Recommender Systems
* Track 2: Information Integration: 1) Machine Learning & AI; 2) AI and Security; 3) Heuristics, and Explanation-Based Learning vs. neural networks which are intractable; 4) Information Science & Theory; 5) Symbolic AI; 6) Evolutionary Techniques; 7) Predictive Data Analysis & Intelligence; 8) Statistical Analysis
* Track 3: Reusable Systems: 1) Software and Systems Reuse and Reusability; 2) Software Sustainability and Reuse Economics; 3) Software Maintenance and Life-Cycle Management; 4) Software Reliability, Robustness, and Dependability; 5) Platforms and Tools; 6) Applications – Autonomous Vehicles, Business, Education, Engineering, Healthcare and Medical Informatics, the Internet of Things, Math, Military, Multimedia, NLP, Robotics, Science, Security, Social Networking, Space, Vision, etc.; 7) Brain-Computer Interface: Applications and Algorithms

***Important Dates:*** * Full paper submission: April 24, 2023

IEEE International Conference on Multimedia and ExpoBrisbane, Australia, July 10-14, 2023 2023.ieeeicme.orgThe IEEE International Conference on Multimedia & Expo (ICME) has been the flagship multimedia conference sponsored by four IEEE societies since 2000. Topics of interest include, but are not limited to: 3D multimedia, AR/VR and Immersive media; Emerging multimedia applications and technologies; Artificial Intelligence/Machine Learning based Multimedia; Image/video processing; Multimedia analysis and understanding; Multimedia communications, networking and mobility; Multimedia databases and data mining; Multimedia quality assessment and metrics; Multimedia security, privacy and forensics; Multimedia standards, trends and related research; Multi-modal media computing and human-machine interaction; Social media analysis and applications; Speech/audio processing. ***Important Dates**** Special Session/Panel/Industry Technology Workshop/Grand Challenge/Workshop/Tutorial Submission: Mar. 12, 2023

The 31st ACM International Conference on MultimediaOttawa, Canada, Oct. 28 – Nov. 3, 2023https://www.acmmm2023.org/ACM Multimedia 2023 calls for research papers presenting novel theoretical and algorithmic solutions addressing problems across the domain of multimedia and related applications. The conference also calls for papers presenting novel, thought-provoking ideas and promising (preliminary) results in realizing these ideas. The conference invites papers in four major themes of multimedia: Engagement, Experience, Systems and Understanding.***Important Dates**** Paper abstract deadline (firm deadline, no extension): 23 April 2023
* Paper submission deadline (firm deadline, no extension): 30 April 2023
* Camera-ready Submission: 10 August 2023
 | Special Issue on Recent trends in Multimedia Forensics - ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM) <https://dl.acm.org/journal/tomm/special-issues>Multimedia forensics involves a set of scientific techniques to collect, scrutinize and analyze digital contents. Topics of interest include, but are not limited to: Ensuring reliability, authenticity and integrity of multimedia content; Manipulation detection; Uncovering the manipulations; Identification of GAN fingerprints; Analysis and detection of realistic images/videos generated from StyleGAN, Pix2Pix, DeepFake; Voice phishing scams; Novel image and video manipulations and ways to detect them; Forgery type detection; Passive or Blind multimedia forensics; Origin/source/device identification, sensor fingerprints; Visual content verification; Digital watermarking; Fixed pattern noise, photo-response non-uniformity (PRNU); Recompression; Geometric fingerprints***Important Dates**** Submission deadline: Mar 31, 2023
* Submission deadline: Mar 31, 2023

International Journal of Multimedia Data Engineering and Management[www.igi-global.com/ijmdem](http://www.igi-global.com/ijmdem)submission: <http://www.igi-global.com/authorseditors/titlesubmission/newproject.aspx>Prospective authors are invited to submit manuscripts for possible publication in the International Journal of Multimedia Data Engineering and Management (IJMDEM).Topics to be included (but not limited) are: * Content understanding and analytics
* Content-based retrieval (image, video, audio, etc.)
* Deep learning/machine learning/data mining
* Internet of multimedia things
* Media representation, processing and quality measurement
* Mobile media
* Multimedia applications
* Multimedia data engineering
* Multimedia data modeling
* Multimedia databases/data management
* Multimedia networking, communications and streaming
* Multimedia systems and infrastructures
* New standards
* Security support for multimedia data

***Editor-in-Chief***Chengcui Zhang (University of Alabama at Birmingham) and Shu-Ching Chen (University of Missouri-Kansas City)IEEE MultiMedia**Impact Factor: 3.491**<https://publications.computer.org/multimedia-magazine/>IEEE MultiMedia magazine seeks original articles discussing research and advanced practices in hardware and software, spanning the range from theory to working systems. We encourage our authors to write in a conversational style, presenting even technical material clearly and simply. Articles submitted to IEEE MultiMedia should not exceed 6,500 words, including all text, the abstract, keywords, bibliography, and biographies. Each table and figure counts for 200 words. Please limit the number of references to the 12 most relevant. For more information and instructions on presentation and formatting, please see author guidelines: <https://www.computer.org/web/peer-review/magazines>. Please submit through [ScholarOne Manuscripts](https://mc.manuscriptcentral.com/mm-cs) (<https://mc.manuscriptcentral.com/mm-cs>).***Editor-in-Chief***Shu-Ching Chen, University of Missouri-Kansas City, USAs.chen@umkc.edu |
| Call for Nomination - IEEE TMM Best Paper AwardEligibility: Any paper published (final publication, not Early Access) in the IEEE Transactions on Multimedia (T-MM) in 2020, 2021, or 2022. Nominations should include: * Nominator.
* Bibliographic information for the paper.
* A short statement of support (less than 500 words) explaining the rationale for the

nomination. Judging shall be on the basis of originality, subject matter, timeliness, potential impact, and presentation quality. For the T-MM Prize Paper nomination, the following apply to ensure the fairness and integrity of the nomination/selection process: * The nominator has not co-authored paper(s) with the nominated paper's authors in the past 10 years.
* The nominator is not a former supervisor or student of a nominated paper's author.
* A nominator's paper has not been nominated for an award by an author of the
* nominated paper (i.e., no cross-nomination).
* No self-nominations.

Nominations for the 2023 Multimedia Prize Paper Award must be submitted through the online nomination system **no later than 31 March 2023**. T-MM Prize Paper Award will be presented at the ICME 2023 Award Ceremony, in the name of the four sponsoring societies: IEEE-SPS, IEEE-ComSoc, IEEE-CS, and IEEE-CASS.  |
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| **We welcome all our members to contribute information/announcements to the TCMC Newsletter.** |
| **Chair****Dr. Chengcui Zhang**University of Alabama at Birmingham | **Secretary and Newsletter Editor****Dr. Min Chen**University of Washington Bothell |
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