CADSCOM 2022: The 4th Colloquium on Analytics, Data Science and Computing.

Minnesota State University - Edina Location
Edina, MN, United States, November 19, 2022

Conference website	https://www.twincitiesacm.org/cadscom2022/
Submission link	https://easychair.org/conferences/?conf=cadscom2022
Submission deadline	October 2, 2022
Revised Full Paper Submissions	November 12, 2022

Topics: business analytics   data science   information management   emerging technologies

The Twin Cities ACM Chapter invites students, faculty, and professionals to CADSCOM 2022! The **4th Colloquium on Analytics, Data Science, and Computing (CADSCOM)** will be held **in-person and virtually** on **Saturday, November 19, 2022.** CADSCOM provides an excellent opportunity for faculty, students, and professionals to share their original research in data science, analytics, and computing. The submissions are peer-reviewed and double-blind reviewed. The colloquium will feature prominent keynotes, industry-faculty panels, and peer-reviewed papers.

CADSCOM 2022 has been approved by the Association for Computing Machinery (ACM) as a chapter conference. We are proud to partner with the Minnesota State IT Center of Excellence, Metro State University, and Minnesota State University Mankato to host CADSCOM 2022. Due to the COVID-19 pandemic, CADSCOM 2022 will be held both virtually via video conferencing and in-person.

The full paper submissions are limited to 6 pages, including all content and references. All submissions must be in PDF format and formatted according to the format guidelines. All submissions need to be original work that is not published anywhere else. The papers should be submitted through EasyChair.

Registration Fee: $20 for students presenting their research work, and $50 for educators and professionals presenting. Free registration for attendees! The registration will open on October 02, 2022.

Submission Guidelines

The Call for Papers is available at the CADSCOM's EasyChair page. All papers must be original and not simultaneously submitted to another journal or conference. The submission process as follows:

Submission Types

- **Full paper submission:** The full papers should not exceed single-spaced 6 pages, including all content and references. All submissions must be in PDF format and formatted according to the format guidelines.
- **Research-in-progress submission:** The research-in-progress papers are either abstracts or a summary of the initial results of an in-progress study. The research-in-progress submission must not exceed single-spaced 2 pages including all contents and references.
- **Research poster submission:** A 2-page abstract (including all content and references) is required for digital posters. If approved, the authors will present their work through a digital poster during the online poster session.

Submission Directions

Submit the paper to EasyChair. All submissions must be in PDF format and formatted according to the format guidelines. DO NOT INCLUDE YOUR NAME OR ANY IDENTIFYING INFORMATION IN THE DOCUMENT to facilitate a double-blind review, and we will track submissions using a submission record number. You can download the submission template from here: CADSCOM_Submission_Template.

Once your paper is accepted, you will be added to the CADSCOM 2022 program. All submissions need to be original work that is not published anywhere else. For each accepted paper, at least one author must register for and attend the Colloquium to present the paper.

Important Dates

Date	Time (Central)	Process
August 17, 2022	11:59 PM	Proceedings Full Paper Submission Opens
October 02, 2022	11:59 PM	Proceedings Full Paper Submission Closes
Rolling basis		Initial Paper Reviews Completed (Accept/Revisions /Reject)
November 12, 2022	11:59 PM	Revised Full Paper Submissions (Due Camera Ready)
November 19, 2022	8:30 – 5 PM	The Conference
November 26, 2022	11:59 PM	Proceedings of the Colloquium published

Important Policies

- For each accepted paper, at least one author must register for and attend the Colloquium to present the paper. Due to the COVID-19 pandemic, CADSCOM 2022 will be held virtually and in-person.
- The author(s) must take full responsibility for the entire content of their paper.
- All submissions will go through a blind peer review process.
- The submitted papers will be evaluated based on their clarity, quality, potential impact, and reproducibility.
- The author(s) must follow the formatting and style guidelines.
- The author(s) must not include any identifying information (such as names and affiliations) anywhere in their submission.
- The author(s) must check their submission for any potential plagiarism. Any submission that violates ethical conduct of research will be rejected.
- All submissions need to be original work that are not published anywhere else.

Topics

Organizations are seeking to harness data to improve decision-making, foment innovation, and discover insights. The purpose of CADSCOM is to promote and disseminate novel and cutting-edge ideas that can improve the understanding of concepts, challenges, opportunities, and technology related to real-world data projects. Topics of interest include, but are not limited to:

- **Data Infrastructure and Computing**: cloud and high-performance computing, big data systems and programming models, software techniques and architecture for grid, parallel, graph, and in-memory computing, containerization, data stream processing.
- **Data Management**: data modeling, relational and NoSQL databases, distributed databases, best practices in data collection, ingestion, extraction, integration, and cleaning, data governance frameworks, data strategy.
- **Data Analytics**: concepts and techniques of data visualization, statistical theories and applications, predictive models and applications, geo-spatial analytics.
- **Artificial Intelligence and Machine Learning:** supervised, unsupervised, semi-supervised, and reinforcement learning models, transfer learning, text and social media analytics, natural language processing, deep learning algorithms and architectures, image and speech recognition, ML model deployment, ML as a Service.
- **Data Ethics and Security**: privacy and ethical issues and solutions, best practices in data security, data encryption algorithms and techniques, social impact and implications for big data analytics.
- **Big Data Applications**: novel applications of big data in sciences, engineering, humanities, social sciences, healthcare, retail, finance, education, manufacturing, transportation, and other domains.
- **Emerging Technologies**: blockchain, Internet of Things (IoT), quantum computing, autonomous vehicles, etc.
- **Business Management and Strategy-making**: Applications of advanced business analytics in management and governance.

Committees

Program Committee

- Ismail Bile Hassan (Program Chair), Metro State University, USA.
- Simon Jin, Metro State University, USA.
- Hassan Osman Ali, High Colleges of Technology (HCT), UAE
- Queen Booker, Metro State University, USA.
- Rajeev Bukralia, Minnesota State University Mankato, USA.
- Thanaa Ghanem, Metro State University, USA.
- Michael Hart, Minnesota State University Mankato, USA.
- David Jacobson, Metro State University, USA.
- Muhidin A. Mohamed, Aston University, UK.
- Junghoon Song, Texas Wesleyan University, USA.
- Dalia Sulieman (Program Co-Chair), John Carrol University, USA.
- Halbana Tarmizi, Bemidji State University, USA.
- Donghyup (DH) Woo, University of Pittsburgh at Greensburg, PA USA
- Rushit Dave, Minnesota State University Mankato, USA.
- Zhezhu Wen, Winona State University, USA.
- Shimin Li , Winona State University, USA.

Organizing committee

- Rajeev Bukralia (Chapter Chair), Minnesota State University Mankato, USA.
- Ismail Bile Hassan (Program Chair), Metro State University, USA.
- Simon Jin Metro State University, USA.
- Dalia Sulieman (Program Co-Chair), John Carrol University, USA.
- Janice Aanenson, Minnesota State IT Center of Excellence, USA

Publications of Proceedings

The accepted papers will be available through this website and will be indexed in Google Scholar.

Distinguished Keynotes

TBD

Venue

The conference will be held in Twin Cities, Minnesota, US (Minnesota State University Mankato, Edina (7700 France Ave S # 500, Edina, MN 55435)

Contact

All questions about submissions should be emailed to Dr. Ismail Bile Hassan, program chair at Ismail.bilehassan@metrostate.edu