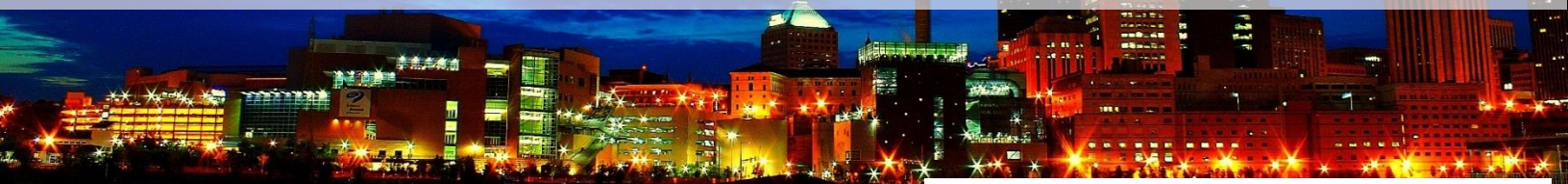




CADSCOM 2019

MINNEAPOLIS, MN • OCTOBER 26



MINNESOTA STATE
IT Center of Excellence



The Twin Cities ACM Professional Chapter and the Metro Analytics Club at Metropolitan State invites students, educators and professionals to CADSCOM 2019 hosted by Minnesota State University Mankato - Edina, with generous sponsorship by the MinnState IT Center of Excellence. CADSCOM features prominent keynotes, panels, and peer-reviewed papers.

DISTINGUISHED KEYNOTES

Dr. Chuck Easttom – Quantum Computing and Artificial Intelligence

The current state of the field will be explored. This includes discussion of current research in implementing machine learning in quantum environments. Then the potential impact for quantum computing on synthetic consciousness will be explored. This will explore a range of topics including the ramification of Penrose's ORCH-OR theory in a quantum computing environment. Finally, current advances in quantum information theory will be discussed.

Dr. Georgia Koutrika – Deep Learning in Recommender Systems

Deep learning methods have dramatically improved the state-of-the-art in computer vision, speech recognition, natural language processing (NLP) and many other domains, and have started to become popular in recommender systems recently. Notable application areas include music, video, news and session-based recommendations. An overview of different types of neural networks is given. Examples of applications of different kinds of neural networks in recommender systems are presented, including industrial-scale settings for video, music, and application recommendations.

Learn more – Register - Respond to call for papers at

[Easychair.org/cfp/CADSCOM2019](https://www.easychair.org/cfp/CADSCOM2019)

CALL for PAPERS (Proposals due by 9/22):

- **Big Data Applications:** Applications of big data in natural and social sciences, management, engineering, healthcare, retail, finance, education & other domains
- **Business Management and Strategy:** Applications of advanced analytics in business and organizational operations, management and governance.
- **Emerging Tech:** Blockchain, Internet of Things (IoT), autonomous vehicles
- **Data Analytics:** Concepts and techniques of data visualization, statistical theories and applications, predictive models and applications, geo-spatial analytics
- **Data Ethics:** Customer privacy and ethical issues and solutions, implications of black box algorithms, social implications for big data analytics
- **Data Infrastructure/Computing:** Big data/cloud/high-performance computing, software techniques, grids, parallel, graph, in-memory computing, containerization
- **Data Management:** Data collection, ingestion, extraction, integration, modeling; databases – relational, NoSQL; distributed; data governance and strategy
- **Machine Learning, AI:** ML models, ML service, transfer learning, text/social analytics, natural language processing, deep learning, image/speech recognition
- **Security:** Data confidentiality, integrity, and availability, encryption algorithms

REGISTER TODAY (includes breakfast/lunch):

<https://cadscom2019.eventbrite.com>

\$350 event free to ACM members, students, educators.

\$99 Cost to Professionals to cover ACM costs.

PROGRAM

CADSCOM features a rich program for you. Register early and join us at MSU Mankato, Edina

IMPORTANT DATES

Item	Date
Call for Paper Abstracts Opens; General Registration Opens	7/15/2019
Paper Abstracts Due (Rolling review/acceptance)	September 22
Abstracts Accepted/ Author(s) Invited to Present	Rolling acceptance
Registration Deadline for Researchers and Attendees	October 15
Full Papers Due for Proceedings	November 1
Papers Accepted or Revisions Sought	November 10 or earlier
Revised Papers Due	November 20

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