



Free registration required for breakfast/lunch @ <https://ece.utdallas.edu/about/events/comet-2023/>

FOURTH ANNUAL

Texas Symposium on Computing with Emerging Technologies

Sponsored by the UT Dallas National Research University Fund Seed Grant Initiative

Monday, October 30th
9 am – 6 pm TI Auditorium, ECSS, UT Dallas

9:00 *Coffee & Light Breakfast*

9:15 *Opening Remarks*

9:20 Limits of CMOS and Prospects for Adiabatic/Reversible CMOS (Michael P. Frank, Sandia Natl. Labs)

9:40 Prolegomena To Any Future Device Physics (Adam L. Friedman, Laboratory for Physical Sciences)

Panel Session I: Neuromorphic Computing with Emerging Technologies

10:00 James Bradley Aimone, Sandia National Laboratories

10:15 Frank Alice Mizrahi, Unité Mixte CNRS/Thales

10:30 Peng Zhou, University of Texas at Dallas

10:45 Dhritiman Bhattacharya, Georgetown University

11:00 Panel Discussion

11:30 Poster Previews

11:45 *Break/Lunch*

Panel Session II: Efficient Computing with Emerging Technologies

1:00 Sumeet K. Gupta, Purdue University

1:15 Adam L. Friedman, Laboratory for Physical Sciences (2 mins)

1:20 Giovanni Finocchio, University of Messina

1:35 Jayasimha Atulasimha, Virginia Commonwealth University

1:50 Panel Discussion

Panel Session III: In-Memory Computing with Emerging Technologies

2:45 Sarma Vrudhulla, Arizona State University

3:00 Sumio Ikegawa, Everspin Technologies

3:15 Van Dai Nguyen, IMEC

3:30 Liza Herrera-Diez, CNRS & Université Paris Saclay

3:45 Panel Discussion

Panel Session IV: Quantum & Superconductive Computing with Emerging Technologies

4:30 Prasanna Date, Oak Ridge National Laborator

4:45 Michael P. Frank, Sandia National Laboratories

4:50 Emilie Jué, NIST & University of Colorado, Boulder

5:05 Christina Psaroudaki, École Normale Supérieure

5:20 Panel Discussion

Organizers: Joseph S. Friedman, Jeonghwan Kim, Usih Ebenezer Chiagozi, Tianxi Qi, Julian Fenison (UT Dallas)

Steering Committee: Joseph S. Friedman (UT Dallas) and Jean Anne C. Incorvia (UT Austin)

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