

Schedule of Mathematical Opportunities in Digital Twins (MATH-DT)

December 11–13, 2023

Monday, December 11, 2023

8:00AM - 9:00AM	Breakfast / Registration
8:45AM - 9:30AM	Welcome address by the Organizers, Andre Marshall (VP Research, GMU), and David Manderscheid (NSF DMS Division Director)
9:30AM - 11:00AM	Session 1 (Plenary Talks)
11:00AM - 11:30AM	Coffee
11:30AM - 12:30PM	Session 2 (Applications Panel)
12:30PM - 1:30PM	Boxed Lunch
1:30PM - 3:00PM	Session 3 (Plenary Talks)
3:00PM - 4:00PM	Dream Big & Report - Discussion
4:00PM - 5:30PM	Poster / Demo Session (Jointly with SIAM DC-Baltimore Section)
5:30PM - 6:00PM	SIEMENS (Demo)

Tuesday, December 12, 2023

8:00AM - 9:00AM	Breakfast / Registration
9:00AM - 10:30AM	Session 4 (Plenary Talks)
10:30AM - 11:00AM	Coffee
11:00AM - 12:00PM	Session 5 (Applications Panel)
12:00PM - 1:00PM	Boxed Lunch
1:00PM - 2:30PM	Session 6 (Funding Agency Panel) (Jointly with SIAM DC-Baltimore Section)
2:30PM - 4:30PM	Dream Big & Report II
4:30PM - 5:00PM	NVIDIA (Demo)
5:30PM - 7:00PM	Conference Dinner

Wednesday, December 13, 2023

8:00AM - 9:00AM	Breakfast / Registration
9:00AM - 10:30AM	Session 7 (Plenary Talks)
10:30AM - 11:00AM	Coffee
11:00AM - 12:15PM	Dream Big & Report III - Final Presentations
12:30PM - 1:30PM	Boxed Lunch

Notes

1. MATH-DT has “in Cooperation with Association for Women in Mathematics (AWM)” status. This conference supports the Welcoming Environment Statement of the AWM.
2. Each **Plenary talk** will be 20-minutes followed by a moderated panel discussion of 30 minutes.
3. Each **Applications Panelist** will give 10-minute talk followed by a moderated panel discussion of 30-minutes.
4. Each **Funding Agency** will give 7-8-minute introduction followed by a moderated panel discussion of 30-minute.
5. Session assignments are on the next page.

Session 1: Plenary Talks

Omar Ghattas (The University of Texas Austin, USA)

Julianne Chung (Emory University, USA)

Reinhard Laubenbacher (University of Florida, USA)

Session 2: Applications Panel I

Stefan Boschert (SIEMENS)

Sharon Di (Columbia University)

Mustafa Megahed (ESI Group)

Session 3: Plenary Talks

Roland Wüchner (Technical University Braunschweig, Germany)

Rainald Löhner (George Mason University)

Bart Van Bloemen Waanders (Sandia National Laboratories)

Session 4: Plenary Talks

Enrique Zuazua (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)

Carol Woodward (Lawrence Livermore National Laboratory, USA)

Karen Veroy-Grepl (Eindhoven University of Technology, Netherlands)

Session 5: Applications Panel II

Brent Bartlett (NVIDIA)

Aldo G Badano (FDA)

Juan Cebal (George Mason University)

Session 6: Funding Agencies Panel

National Science Foundation

Air Force Office of Scientific Research

Office of Naval Research

Army Research Office

DARPA

Department of Energy

National Institute of Health

Session 7: Plenary Talks

Arvind K. Saibaba (North Carolina State University, USA)

Akil Narayan (University of Utah, USA)

Lise Marie Imbert-Gérard (University of Arizona)