

AIAA Non-Deterministic Approaches Technical Committee Meeting

1400-1530 EST Oct. 13, 2022
Online Zoom Meeting

Welcome by TC Chair (Romero)

- i. TC officers
 - a. 2021, 2022 NDA TC Chair: Vicente Romero
 - b. 2021, 2022 NDA TC Vice Chair: Andrew Ollikainen
 - c. 2021, 2022 NDA TC Secretary: Ashwin Renganathan
 - d. NDA TC Vice Chair 2023, 2024: Gianluca Geraci

- ii. NDA Conference
 - a. 2023 Tech Chair, Deputy Tech Chair (Diane Villanueva, Pankaj Joshi)
Conference Report (Villanueva)
Special NDA lecture speaker (Joshi)
 - b. upcoming: 2024 Tech Chair (Pankaj Joshi)
upcoming: 2024 Deputy Tech Chair (*to be elected this fall*)
 - c. 2023 Student Papers Chair (Gianluca Geraci)
Student Paper activities report
 - d. Student Papers Chair 2024 (Anindya Bhaduri)

e. ADSEG Student Papers Chair 2023 (Markus Rumpfkeil)

iii. Subcommittee Updates/Reports

a. Steering (**Romero**, Ollikainen, Rais-Rohani,
Renganathan, Rumpfkeil, Smarslok)

b. Membership (**Ollikainen**, Romero, Hu)

c. Publications (**Rajaram**, Beran, Bi, Ghosh, Jacobs,
Robbins, Walker)

• **Aerospace America 2022 Year In Review Article**

d. Procedures (**Smarslok**, Chaudhuri, Huan, Ollikainen,
Pepin, Romero)

e. Awards (**Choi**, Chien, Forster, Grandhi, Kim, West)

f. Education (**Gorodetsky**, Bae, Geraci, Iaccarino,
Kramer, Liu, Mahadevan, Martin, Moens,
Mulani, Wang, Zhang)

g. Student (**Clark**, Acar, Blonigan, Geraci,
Krishnamurthy, Rumpfkeil, Silva, Thacker)

iv. Liaison Reports

a. AIAA Structures TC (?)

b. AIAA MDO TC (Vassili Toropov)

c. AIAA Materials TC (Barron Bichon)

d. AIAA Design TC (Phil Beran)

e. AIAA Applied Aero TC (Eric Walker)

f. AIAA Fluids TC (Gianluca Iaccarino)

g. ASCE (Sankaran Mahadevan)

h. ASME (Ben Thacker)

i. ISSMO (Nam-Ho Kim)

j. SAE (?)

k. SIAM UQ (Ben Smarslok, Xun Huan)

- v. Roll call (use Zoom attendance record)

- vi. Other Items
 - a. Discussion: New catch-phrase for NDA? (Romero)

“Non-deterministic approaches and uncertainty quantification provide a connecting bridge between the real world and the virtual world of math, models, and computer simulations.”

Current from TC Manual—too technical for general audiences?

“Non-Deterministic Approaches encapsulate all methods, philosophies and approaches that seek to address the effect of inherent and systematic uncertainties in engineered systems.”
 - b. Other items?

- vii. Next Meeting – **SciTech2023 Zoom and In-Person, Wed. Jan. 25, 1900-2200 EST**