

Blueprint



The challenge - Why data science? - Agenda

The challenge

The what and why of data science

Agenda

















Data science





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Scalable architectural approaches, techniques, software and algorithms which alter the paradigm by which data are collected, managed and analyzed. Dan Crichton, JPL

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Data science-focused talks and sessions next week:

- 1. Monday (10 AM): Data perspective introduction to newest CEDAR Grand Challenge Workshop: Multi-scale geospace
- 2. Tuesday (1:30-3:30 PM): Next generation geospace science
- 3. Thursday (1:30 3:30 PM): *Big data* in CEDAR science



Scalable architectural approaches, techniques, software and algorithms which alter the paradigm by which data are collected, managed and analyzed. *Dan Crichton, JPL*

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15:40 - 16:10 State-of-the-art data processing for Heliophysics

- 15:40 15:55 Jade Morton (CU Boulder): Ionosphere
- 15:55 16:10 Jacob Bortnik (UCLA): Magnetosphere

16:10 - 16:40 What's to come?

- 16:10-16:25 Susan Skone (U. Calgary): TREx and the future of geospace enterprises through integration of instrument/facility development and user-centric approach
- 16:25 16:40 Jeff Thayer (CU Boulder): Creating 'convergence'

16:40 - 17:00 Round table discussion

- Open discussion led by moderators
- Focus on organizing future efforts (CEDAR/GEM Data Science Working Group, Community of Practice, etc.)

Submit comments and discussion items to ryan.mcgranaghan@jpl.nasa.gov



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