Current and Future Data Requirements Panel
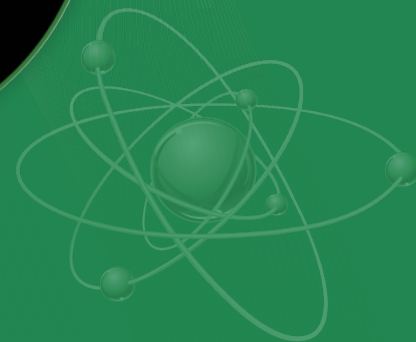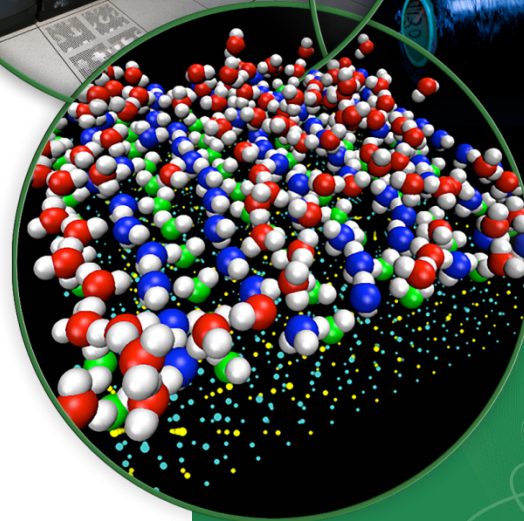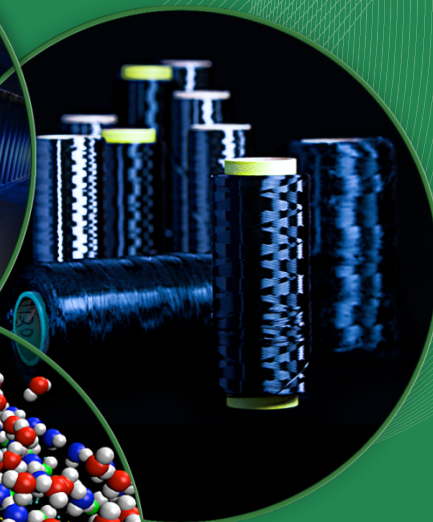
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Panelists

- Garrett Granroth, ORNL

- Dali Wang, ORNL

- Michael Summers, ORNL

- Galen Shipman, ORNL

Moderator: Sarp Oral, ORNL

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Discussion topics

- Workflow
  - Can you define your workflow from the data and I/O perspective? How do you classify your workflow data (i.e. experimental, observational, and simulation)?

- Data characteristics
  - What is the rate of data generated? Is it metadata or object I/O heavy? Is it checkpoint/restart heavy? Any other particulars you would like to share about the characteristics of your data?

- Data ratio
  - What is the ratio of data to be placed on home, work, and archival storage areas during the life cycle of your allocation?

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Discussion topics

- Archival data
  - How often and what percent of data is accessed from the archival storage?

- WAN access
  - How often large amounts of archival storage data need to be moved across the WAN during the lifetime of your project? How will you share your data with other researchers in your domain?

- Data tools/libraries
  - What data tools/libraries you need to improve the efficiency of your workflow management, data sharing and access, and long-term data preservation? Which tools/libraries do you use currently at OLCF for data manipulating and handling?

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