

# SOFTWARE ENGINEERING AND COMMUNITY CODES

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**EXPERTS IN DEVELOPING  
SCIENTIFIC APPLICATIONS**

August 8, 2016

# Community Codes and Software Engineering – Track 4

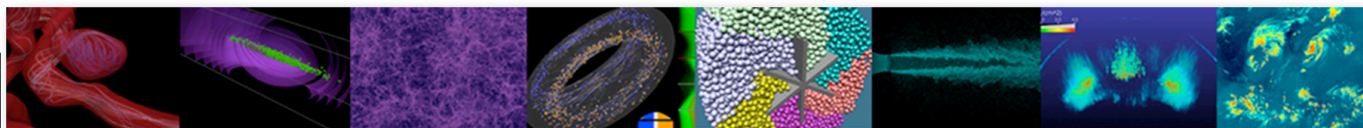
MONDAY, August 8

Time	Title of presentation	Lecturer
9:30 am	<b>Introduction to the Session – Software Engineering</b>	Anshu Dubey, ANL
9:35 am	<b>Overview and Objectives</b>	Katherine Riley and Anshu Dubey, ANL
10:30 am	<i>Break</i>	
11:00 am	<b>Repo, Continuous Integration</b>	Jeff Johnson, LBNL
12:00 pm	<i>Lunch and Hands-on Exercises</i>	
1:00 pm	<b>IDE/Config/Build/Deploy</b>	Barry Smith, ANL
2:00 pm	<b>Documentation</b>	Alicia Klinvex, SNL
2:30 pm	<i>Break</i>	
3:00 pm	<b>Testing</b>	Alicia Klinvex, SNL
3:45 pm	<b>Software Refactoring</b>	Anshu Dubey, ANL
4:30 pm	<b>Putting it All Together: Example</b>	Glenn Hammond, SNL



**Argonne Training Program on Extreme-Scale Computing**

**+ Hands-on**



Introduction to the Sessions

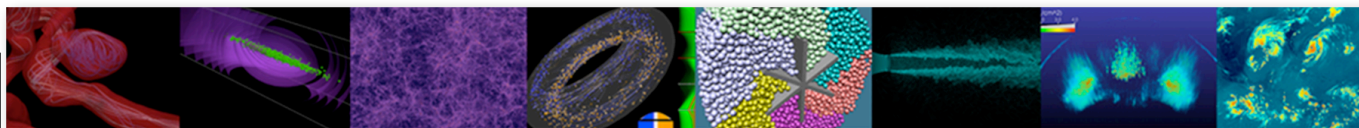
# Community Codes and Software Engineering – Track 4

TUESDAY, August 9

Time	Title of presentation	Lecturer
8:30 am	<b>Introduction to the Session – Community Codes</b>	Katherine Riley, ANL
8:35 am	<b>What Community Codes Do: Case Studies</b>	Anshu Dubey, ANL
10:00 am	<i>Break</i>	
10:30 am	<b>Impact on Community</b>	Sean Couch, MSU
11:30 am	<b>Social Aspect</b>	Nathan Goldbaum, NCSA
12:00 pm	<i>Lunch and Hands-on Exercises</i>	
1:00 pm	<b>Software and Process Design</b>	Anshu Dubey, ANL
2:00 pm	<b>Planning Simulations</b>	Dean Townsley, Univ. of Alabama
3:00 pm	<i>Break</i>	
3:30 pm	<b>Workflow/Data Curation</b>	Tom Uram, ANL
4:30 pm	<b>Provenance</b>	Kerstin Kleese Van Dam, BNL



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Introduction to the Sessions