

# Carnegie Mellon



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## CASOS Summer Institute, June 4 - 9, 2017

The CASOS Summer Institute is a week-long event provides an intense hands-on introduction to network analysis and visualization from a combined social-network, network-science, link-analysis and dynamic network analysis perspective.

Participants learn about current trends, practices, and tools available for social networks analysis, link analysis, simulation, and multi-agent modeling. Basic social network and dynamic network representations, statistics, analysis and visualization techniques are covered. Techniques for designing, analyzing, and validating computational models with and without network components are presented. There is also an emphasis on appropriate and inappropriate ways to critique computational models and network analyses. The strengths and weaknesses of computational and network approaches to examining complex socio-technical issues are discussed. Multiple computational platforms are explored and hands-on experience is provided. An examination of social network methods, complexity theory and procedures for integrating network-based metrics and statistics into computational models completes the program.

The software tools participants will learn and work with include: ORA, AutoMap, and Construct, which are network analysis, information extraction, and simulations tools, respectively that are developed at CASOS and widely used globally in business, government, and education.

Registration is currently open. Visit our website for more information about the program, [http://www.casos.cs.cmu.edu/events/summer\\_institute/2017/index.php](http://www.casos.cs.cmu.edu/events/summer_institute/2017/index.php).

We look forward to seeing you this summer!

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**Center for Computational Analysis of Social & Organizational Systems**