

## NetSci 2014 School & Satellites: Program Overview

### Clark Kerr Campus

The School is open to all NetSci participants. Location: **Bldg 8 Lounge**  
It is concurrent with the Satellite meetings below.

<b>SCHOOL</b>	<b>Mon, June 2</b>	<b>Tues, June 3</b>
9-10:15am	Mark Newman <i>Networks Overview, I</i>	Mason Porter <i>Multilayer Networks, I</i>
10:15-10:30am	<b>Coffee Break</b>	
10:30-11:00am		<b>Coffee Break</b>
10:30am-noon	Melanie Mitchell & Vikram Vijayaraghavan <i>Introduction to Networks (Lab)</i>	
11am-noon		Mason Porter <i>Multilayer Networks, II</i>
12-1:30pm	<b>Lunch</b>	<b>Lunch</b>
1:30-3pm	Mark Newman <i>Networks Overview, II</i>	Melanie Mitchell <i>The Complexity Explorer Project: MOOCs and Web-Based Curricula for Complex Systems</i>
3-3:30pm	<b>Coffee Break</b>	<b>Coffee Break</b>
3:30-5pm	Airlie Chapman <i>Control theory for non-specialists</i>	Yang-Yu Liu <i>Controllability and observability of complex systems</i>

Please check website of each individual satellite for actual time range and program:

Session	Monday 2 <sup>nd</sup>	
<b>Morning</b> (8 am-1pm)	<ul style="list-style-type: none"> <li>- Physics of Multilayered, Interconnected Networks.</li> <li>- MNAM: Multiple Network Modeling, Analysis and Mining.</li> <li>- Network Medicine: Molecular Targets and Therapeutics.</li> </ul>	<ul style="list-style-type: none"> <li>- NetSciEd3: Satellite Symposium on Network Science in Education.</li> <li>- Quantum Frontiers in Network Science.</li> </ul>
<b>Afternoon</b> (2 pm-7pm)	<ul style="list-style-type: none"> <li>- Urban Systems and Networks.</li> <li>- Controlling Complex Networks.</li> <li>- Statistical Inference for Network Models.</li> </ul>	<ul style="list-style-type: none"> <li>- Topology and Networks. Network</li> <li>- Cooperative team networks.</li> </ul>
Session	Tuesday 3 <sup>rd</sup>	
<b>Morning</b> (8 am-1pm)	<ul style="list-style-type: none"> <li>- Arts, Humanities and Complex Networks.</li> <li>- NetONets: Networks of networks: Systemic Risk and Infrastructural Interdependencies.</li> </ul>	<ul style="list-style-type: none"> <li>- Models in Cellular Regulation.</li> <li>- Information, Self-Organizing Dynamics and Synchronization on Complex Networks.</li> </ul>
<b>Afternoon</b> (2 pm-7pm)	<ul style="list-style-type: none"> <li>- Temporal Networks, Human Behavior, and Social Physics.</li> <li>- Future ICT Satellite Workshop</li> <li>- Network Science for National Defense.</li> <li>- When Complex Networks meet Complex Data: Higher-Order Models in Network Science.</li> </ul>	<ul style="list-style-type: none"> <li>- Theory &amp; Applications for Discontinuous Connectivity Transitions in Networked Systems.</li> <li>- Complex Networks in Ecology.</li> </ul>