



Research Symposium | 2016-11-01 | Abstracts

POLICY ANALYSIS AND DETERMINATION VIA INTEGRATIVE COMPUTATIONAL SCIENCES

Moderator: Mark G. Orr - Research Associate Professor, Biocomplexity Institute

Panelists: Kaja Abbas – Assistant Professor, Department of Population Health Sciences

Adam Eckerd – Assistant Professor, School of Public and International Affairs

Rebecca J. Hester – Assistant Professor, Department of Science and Technology in Society

Sallie Keller – Director and Professor, Biocomplexity Institute

Bryan Lewis – Research Associate Professor, Biocomplexity Institute

This panel will center around the following scenario: Imagine a nation in which Integrative Computational Sciences are used extensively. From elementary school onward there is a strong emphasis on systems and computation. The use of such things for designing, engineering and solving problems in society, writ large, is also emphasized. This emphasis, naturally, bleeds into real life: in industry, governance, equity, economy, health, and so on.

In essence, Integrative Computational Sciences is part of the dominant world view—everyone agrees that thinking about the future requires some solid modeling to back it up. From this scenario the panel will explore both practical and more theoretical questions related to policy analysis in the fashion of the ancients.

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