



# Culture Analytics

March 7-June 10, 2016

**ORGANIZING COMMITTEE:** Tina Eliassi-Rad (Rutgers University), Mauro Maggioni (Duke University), Lev Manovich (CUNY), Vwani Roychowdhury (UCLA), Timothy Tangherlini (UCLA)

## Scientific Overview

The explosion in the widespread use of the Internet and social media and the ubiquity of low cost computing have increased the possibilities for understanding cultural behaviors and expressions, while at the same time have facilitated opportunities for making cultural artifacts both accessible and comprehensible. The rapidly proliferating digital footprints that people leave as they crisscross these virtual spaces offer a treasure trove of cultural information, where culture is considered to be expressive of the norms, beliefs and values of a group. This program encourages the exploration of the unsolved mathematical opportunities that are emerging in this cultural information space. Many successful approaches to the analysis of cultural content and activities have been developed, yet there is still a great deal of work to be done. In this program, we aim to promote a vigorous collaboration across disciplines and devise new approaches and novel mathematics to address these problems of culture analytics, by bringing together leading scholars in the social sciences and humanities with those in applied mathematics, engineering, and computer science.

## Workshop Schedule

- Tutorials: March 8-11, 2016.
- Workshop I: Culture Analytics Beyond Text. March 21-24, 2016.
- Workshop II: Culture Analytics and User Experience Design. April 11-15, 2016.
- Workshop III: Cultural Patterns: Multi-scale Data-driven Models. May 9-13, 2016.
- Workshop IV: Mathematical Analysis of Cultural Expressive Forms: Text Data. May 23-27, 2016.

## Participation

Most participants, including senior and junior researchers, will be in residence at IPAM for the entire period. Between the workshops there will be a program of activities involving the long-term and short-term participants, and visitors. Applications will be accepted through December 7, 2015, but decisions will be made starting in July. We have funding especially to support the attendance of graduate students and researchers in the early stages of their career, but we welcome applications from researchers at all levels. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

**For more information:** [www.ipam.ucla.edu/ca2016](http://www.ipam.ucla.edu/ca2016)

