



Name of Organization(s)

Arizona State University

University of California, Riverside

- Lead Investigator(s)

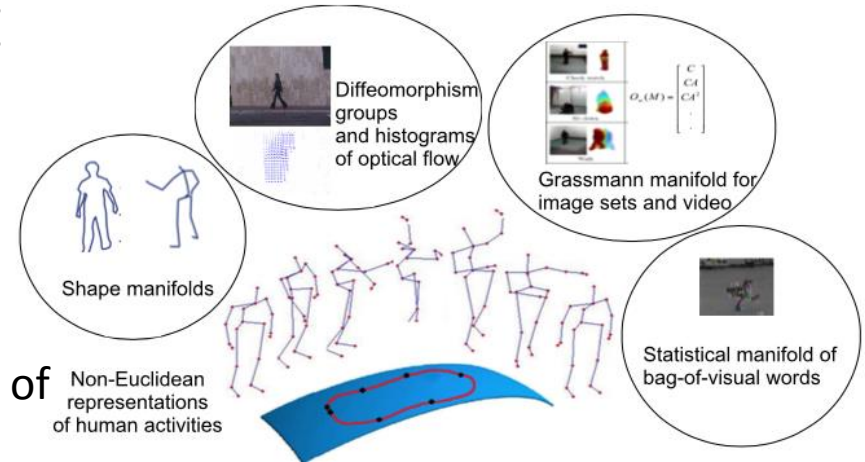
Pavan Turaga

Amit Roy-Chowdhury

Research areas of interest

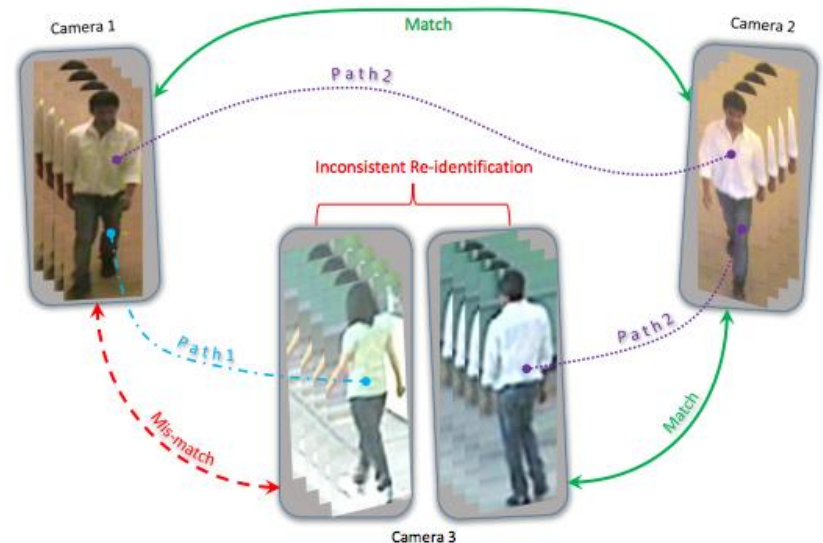
Turaga

- Nonlinear dynamics in action analysis
- Topological and geometric methods for activity analysis
- Computationally efficient approximations of geometric approaches



Roy-Chowdhury

- Context models for recognition
- Multi-camera tracking and re-identification
- Online learning for recognition from streaming videos
- Combined summarization and recognition from large data volumes





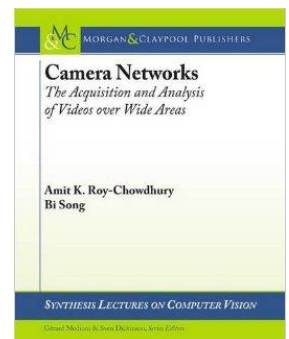
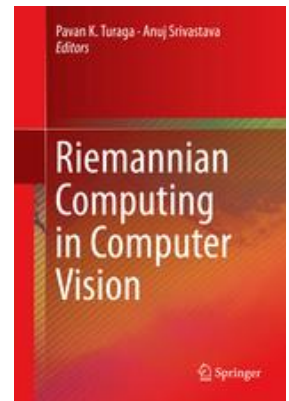
Unique qualifications and capabilities

- Turaga and Roy-Chowdhury have a long track record and bring complementary expertise in activity analysis, multi-camera networks, and tracking. We bring a blend of methods: ***statistical, topological, dynamical, and graphical.***
- Turaga's work in dynamical and statistical analysis on manifolds for has been well-cited and adopted in many video analysis problems.

<http://www.public.asu.edu/~pturaga/Welcome.html>

- Roy-Chowdhury's work in multi-camera activity analysis, and re-identification is considered foundational.

<http://www.ee.ucr.edu/~amitrc/publications.php>





- Specific capabilities we are seeking for
 - Theoretical expertise in large-scale machine learning and/or statistical signal processing.
 - System integration (if software deliverables are needed).



Contact Information

- Name: Pavan Turaga
- Title: Assistant Professor
- Organization: Arizona State University (Electrical Engineering + Media Arts)
- Email address: pturaga@asu.edu
- Phone number(s): 480-965-3704
- url: <http://www.public.asu.edu/~pturaga/Welcome.html>

- Name: Amit K. Roy-Chowdhury
- Title: Professor
- Organization: University of California, Riverside (Electrical Engg. + Computer Science)
- Email: amitrc@ee.ucr.edu
- Phone number(s): 951-827-7886
- url: <http://www.ece.ucr.edu/~amitrc>