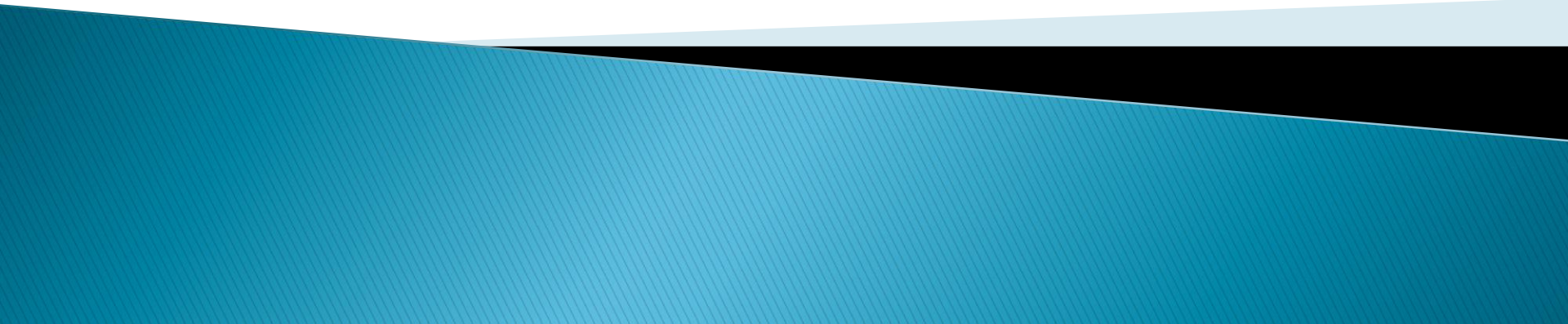


Week 3 Presentation

Sahil Shah



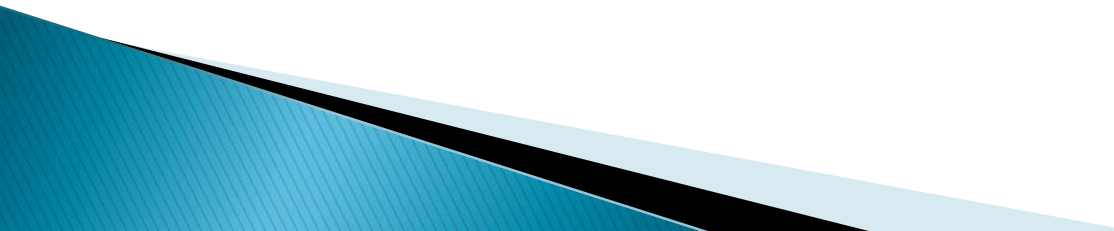
TRECVID2011 Competition

Mentor: Subh Bhattacharya

Multimedia Event Detection

- SIFT
- STIP
- Audio
- Concept Detectors

My role: Look for ways to exploit concurrency and temporal dependencies in concepts.



Work Done so Far

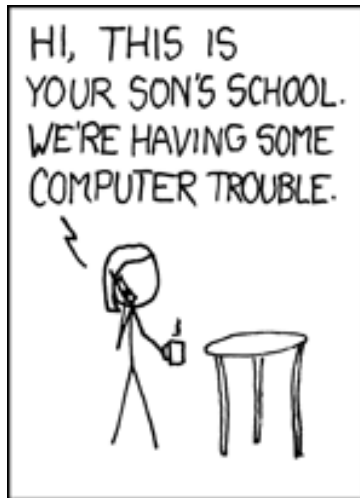
- ▶ Read the following papers
 - TRECVID 2010
 - *On Space-Time Interest Points*
 - *Behavior Recognition via Sparse Spatio-Temporal Features*
 - *Towards optimal bag-of-features for object categorization and semantic retrieval*
 - *Distinctive Features from Scale-Invariant Keypoints*

Reading about Graphical Models of Probability Distributions, including Markov Models and Conditional Random Fields

What to do next

- ▶ Figure out how Markov models and CRFs can be used in detecting sequences of events

Questions?



OH, DEAR - DID HE BREAK SOMETHING?

IN A WAY-



DID YOU REALLY NAME YOUR SON Robert'); DROP TABLE Students;-- ?

OH, YES. LITTLE BOBBY TABLES, WE CALL HIM.



WELL, WE'VE LOST THIS YEAR'S STUDENT RECORDS. I HOPE YOU'RE HAPPY.

AND I HOPE YOU'VE LEARNED TO SANITIZE YOUR DATABASE INPUTS.

