

Ashok Samal

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Courses

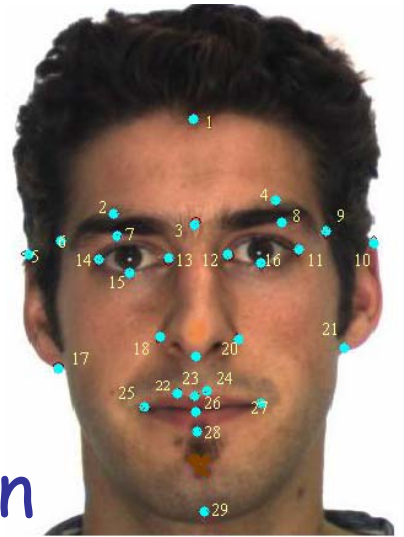
- Computer Vision (CS 473/873)
- Data Mining (CS 496/896)
- Programming Languages (CS 322)
- Special Topics
 - Biometrics
 - Medical Image Analysis
 - Geospatial Computing

Areas of Research

- Image Analysis
 - Process of generating a set of descriptors or features on which a decision about objects in an image is based
- Geospatial Data Mining
 - Automatically searching large geospatial data repositories to discover new patterns and relations

Image Analysis

- Face Geometry
 - Face Identification
 - Analysis of expression
 - Analysis of facial attractiveness
 - Relating faces of parents and children



- Satellite Images
 - Recognition of water bodies
- Content Base Image Retrieval

Geospatial Data Mining

- Abstract Features
 - Residential/industrial
- Diffusion Analysis
 - Modeling temporal processes
- Spatial Clustering
 - Using spatial events in clustering
- Quality of Data/Information
 - Modeling and propagating uncertainty

