

## I Seminari su “Information Technology Outlook” – Dottorato di Ricerca in Informatica e Matematica

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*LANIT - TERCOM ITALIA SRL*

**Martedì 5 aprile 2016 ore 15.00-17:00, Aula B, Piano Terra, Dipartimento di Informatica**

### **COMPUTER VISION: A MODERN PERSPECTIVE**

#### Seminar Outline

- Human vision, theoretical basics and overview
- Light, color, camera models and types.
- Camera model, image storing and processing
- Typical computer vision pipeline - filtering, feature extraction, classification and recognition
- Examples of the pipeline for simple object calculations and measurements
- Detecting blobs and checkerboards



*Alexander Pimenov graduated from the Mathematics and Mechanics faculty of St. Petersburg State University, the department of Software Engineering in 2005, Phd, has been delivering lectures for the students of the 4th year of study. He started his career in Motorola being the 3d year student. Alexander has been working as the principal architect in Computer Vision Systems, as well as one of the leading expert of St. Petersburg State University in computer graphics and video recognition systems, being an author of several patents as well as of the big number of proprietary mathematical algorithms. More than 10 years of R&D activity in the field of image and video processing.*

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