

Visual Computing and Communication

University of Trento

NICOLA CONCI 25/10/2019



SPECIALIZATION – Computer Vision and Multimedia Analysis

- Objective is bridging the gap between Signal Processing technologies applied to multimedia data and
 - Media Analysis
 - Pattern Recognition
 - Knowledge Representation



INTERNSHIPS

Tight connection with local startups, companies, and research centers for internships, including





Electrolux







TOPICS FOR THESES

• Computer vision for:

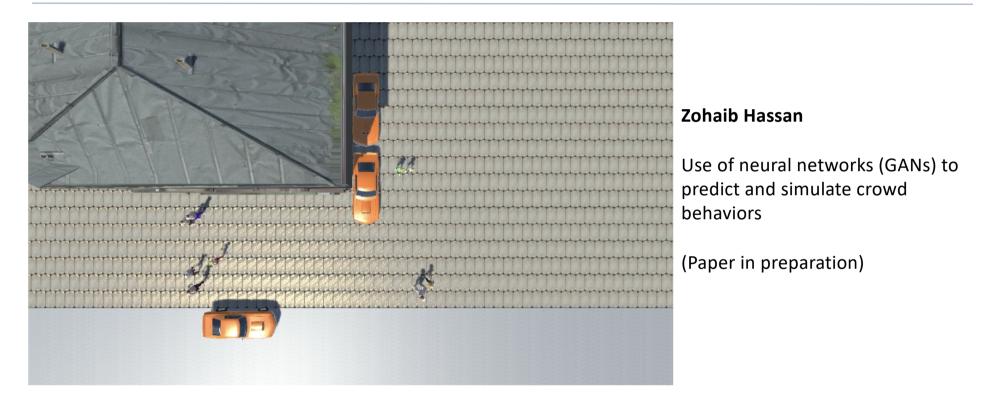
- Sport Analytics
- Retail Analytics (gender recognition, re-identification)
- Video surveillance (crowd monitoring)

• Computer graphics for:

- Crowd simulation
- Augmented reality/Virtual Reality



Outcome of the thesis (first exit student)





Last year's records

• 5 entry students

• for the Project Course on Computer Graphics, we hosted a visiting lecturer. All students satisfied and they conducted a project simulating the solar system.



- 2 exit students
 - Internship @Electrolux: IoT/food
 - Internship @FBK: 3D



ENTRY POINT

Goal is to provide basic knowledge that can be useful in all exits

1st Semester	Course	ECTS
	Digital Signal Processing	9
	Innovation and Entrepreneurship Basic	6
	Multimedia Data Security	6
	Network Modeling and Design	6

Course	ECTS
Recognition Systems	9
Business Development Lab	9
ICT Innovation	9
Project course on Computer Graphics	6
Project course on Service design and Engineering	6

2nd Semester



EXIT POINT

Course	ECTS
Computer Vision	6
Multisensory Interactive Systems	
Innovation and Entrepreneurship Studies in ICT	
Elective course*	6

2nd Semester

1st Semester

Course	ECTS
Elective course*	6
Thesis	30

*) choose between: - Data Mining

- Knowledge and Data Integration
- Introduction to Computer and Network Security
- Industrial Trends in Communications
- Affective Computing



Local coordinator

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THANK YOU



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EIT Digital is supported by the EIT, a body of the European Union