

Emanuele SANSONE

PERSONAL DATA

PLACE AND DATE OF BIRTH: Trento, Italy | 11 September 1987
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ACADEMIC EXPERIENCE

Current	Teaching Assistant, Computer Vision (Code 140266) <i>M.Sc. in Telecommunications Engineering, University of Trento, Italy</i> Machine Learning for Computer Vision (introduction to statistical learning theory and neural networks).
2015	Teaching Assistant, Multimedia Networking (Code 140151) <i>M.Sc. in Telecommunications Engineering, University of Trento, Italy</i> Principles of video compression/coding (useful for transmission/storage of video files).
Current 2013	Ph.D. candidate <i>ICT doctoral school, University of Trento, Italy</i> Supervised by Prof. Francesco G.B. De Natale. My research focuses in machine learning. In particular, I'm working to solve the problem of learning a classifier (e.g. neural network) with little supervision (one or a handful of labeled samples) by exploiting unlabeled data.
SEP 2015 MAR 2016	Research Intern <i>LAMDA group, Nanjing University, China</i> Supervised by Prof. Zhi-Hua Zhou. I studied semi-supervised learning as well as positive unlabeled learning.

SPORT EXPERIENCE

Current 2011	Ski master instructor <i>Italy</i> Holding several professional education and training courses for ski instructors and candidate ski instructors. This is the highest professional degree in alpine skiing (the total number of ski master instructors in Italy is around 200).
CURRENT 2007	Ski coach <i>Italy</i> Coach of young athletes (6-20 years old) in several racing ski teams: Ski Team Sopramonte (2007/2008), Sci Club Padova (2008/2009), Sci Club Panarotta (2009-2011), Ski Team Paganella (2013/2014), Campiglio Ski Team (2016/2017)
2007 2002	Ski athlete <i>Italy</i> See a sample list of records

EDUCATION

- 2012 M.Sc. in TELECOMMUNICATIONS ENGINEERING
2011 University of Trento, Italy
Thesis: "Multimodal Photo Galleries Synchronization", Advisor: Prof. Nicola Conci, Giulia Boato
110/110 *summa cum laude* | GPA: 28.82/30
- 2010 B.Sc. in TELECOMMUNICATIONS ENGINEERING
2008 University of Trento, Italy
Thesis: "Master P-NET protocol implementation on PIC 32 architecture"
Advisor: Prof. Dario Petri, Eng. Michele Corrà

AWARDS AND CERTIFICATES

- SEP. 2016 Academic hardware grant award
Hong Kong, China
Provision of a NVIDIA Titan X GPU
Organization: [NVIDIA corporation](#)
- JAN 2015 Machine Learning Summer School
Austin, USA
Certificate of attendance
Organization: [University of Texas at Austin](#)
- MAR. 2012 Merit award
Trento, Italy
Award assigned to distinguished students
Organization: University of Trento
- NOV. 2011 Ski master instructor
Milan, Italy
Certificate
Organization: [FISI](#), [CoScuMa](#)
- SEP. 2011 Ski coach (3° level)
Milan, Italy
Certificate
Organization: [FISI](#), [STF](#)
- MAY. 2007 Ski instructor
Trento, Italy
Certificate
Organization: [PAT](#)

LANGUAGES

- ITALIAN: Mothertongue
ENGLISH: Fluent (C2)
GERMAN: Fluent (B2)
CHINESE: Basic (A1)

PUBLICATIONS

- 2017 [Automatic Synchronization of Multi-User Photo Galleries](#)
E. Sansone, K. Apostolidis, N. Conci, G. Boato, V. Mezaris, F.G.B. De Natale
To appear in IEEE Transactions on Multimedia (TMM)
- 2017 [Efficient Training for Positive Unlabeled Learning](#)
E. Sansone, F.G.B De Natale, Zhi-Hua Zhou
Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
- 2016 [Classtering: Joint Classification and Clustering with Mixture of Factor Analysers](#)
E. Sansone, A. Passerini, F.G.B. De Natale
European Conference on Artificial Intelligence (ECAI)

INTERESTS

- RESEARCH** Semi-supervised learning, positive-unlabeled learning and deep learning are therefore my main fields of interest.
- OTHERS** I like travelling around the world. In the past, I had several solo journeys in different countries, like China and Viet Nam.