CURRICULUM VITAE ET STUDIORUM

PERSONAL DATA

SURNAME: Romanengo
NAME: Chiara
BORN IN: 21/05/93
RESIDENT IN:
E-MAIL

CURRENT POSITION

- **From 11/2019 PhD student at the University of Genoa:**
  PhD program (XXXV cycle) in Mathematical Methods for Data Analysis at the Department of Mathematics with a scholarship funded by CNR/IMATI within the project "Mathematical methods for the recognition of characteristic parts on the surface of 3D objects", under the supervision of Dr. Silvia Biasotti and Dr. Bianca Falcidieno.

QUALIFICATIONS

- **09/2017-03/2019 University of Genoa:**
  Master's degree in Mathematics obtained at the Department of Mathematics on 27/03/2019 with 110/110 cum laude evaluation.
  Dissertation: "Recognition of characteristic curves of 3D objects using the Hough transform technique".
  Supervisors: Dott.ssa S. Biasotti (CNR-IMATI), Dott.ssa B. Falcidieno (CNR-IMATI).
  Correlator: Prof. M. C. Beltrametti (DIMA-Unige).

- **09/2012-03/2017 University of Genoa:**
  Bachelor's degree in Mathematics obtained at the Department of Mathematics on 15/03/2017 with an evaluation of 100/110.
  Dissertation: "Polynomials".
  Supervisor: Prof.ssa C. Fassino (DIMA-Unige).

- **09/2007-06/2012 Linguistic high school "G. Soleri", Saluzzo (CN):**
  High school diploma achieved with final evaluation 85/100.

TRAINING AND RESEARCH EXPERIENCES

- **09/2018-11/2018 CNR-IMATI:**
  Curricular internship with recognition of credits on the topic "Analysis and development of methods based on Hough transforms for the identification of geometric elements characterizing the decoration of surfaces".

  Supervisor: Dr. Silvia Biasotti.

- **09/2019-10/2019 CNR-IMATI:**
  Training and extracurricular orientation internship on the topic "Definition and development of libraries for the extraction of characteristic curves on 3D objects".

  Supervisor: Dr. Silvia Biasotti

OTHER ACTIVITIES

- **05/2019 Liceo Statale ARTURO ISSEL:**
  Math teacher for two weeks in the "Liceo scientifico ISSEL".
- **A.a 2017/2018 and a.a 2018/2019 Università di Genova:**
  Tutoring activities at the "Università di Genova", department of "Scienze ambientali e naturali".

LANGUAGE SKILLS

While in high school, I took the following exams:

- "Preliminary English Test" (English language);
- "Fit in Deutsch" (German language);
- Diploma ESABAC (French language).

COMPUTER SKILLS

- **Operating systems:**
  Windows, Linux Ubuntu.
- **Programming languages and libraries:**
  C, C++, MatLab, CoCoA, Java.
- **Software systems:**
  Representation and modeling of 3D surfaces and shapes: Meshlab, CloudCompare.
  Video writing: Latex, Office.

PUBLICATIONS

International Journals

1. **C. Romanengo**, S. Biasotti, B. Falcidieno, Recognising decorations in archaeological finds through the analysis of characteristic curves on 3D models, Pattern Recognition Letters 131 (2020) 405-412.

2. **C. Romanengo**, S. Biasotti, B. Falcidieno, HT-based identification of 3D feature curves and their insertion into 3D meshes, Computers & Graphics 89 (2020), 105-116.

Proceedings

3. E. Moscoso Thompson, G. Arvanitis, K. Moustakas, N. Hoang-Xuan, E. R. Nguyen, M. Tran, T. Lejemble, L. Barthe, N. Mellado, **C. Romanengo**, S. Biasotti, and B. Falcidieno, SHREC'19 track: Feature Curve Extraction on Triangle Meshes, Eurographics Workshop on 3D Object Retrieval, 2019

4. **C. Romanengo**, S. Biasotti, B. Falcidieno, HT-based Recognition of Patterns on 3D Shapes Using a Dictionary of Mathematical Curves, in: M. Agus, M. Corsini, R. Pintus (Eds.), Smart Tools and Apps for Graphics-EG Italian Chapter Conference, The Eurographics Association, 2019.

5. **C. Romanengo**, E. Brunetto, S. Biasotti, C. E. Catalano, B. Falcidieno, Recognition, Modelling and Interactive Manipulation of Motifs or Symbols Represented by a Composition of Curves. STAG 2020: 27-35.