PERSONAL INFORMATION

First name(s) / Surname(s): **CLAUDIO MIROLO**

Address: **DEPT. OF MATHEMATICS, COMPUTER SCIENCE AND PHYSICS**
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Country: Italy

Date of birth: 09 / 04 / 1959

WORK EXPERIENCE

• Dates: since 22 / 12 / 1986

• University of Udine: Dept. of Mathematics, Computer Science and Physics (DMIF)
(formerly Dept. of Mathematics and Computer Science)

• Role: **University Researcher / Teacher**
in the Computer Science field (INF/01)

EDUCATION AND TRAINING

• Data: March 1984

• University of Padua: Engineering Faculty

• Title: Master Degree in Electronic Engineering

MOTHER TONGUE(S): **Italian**

INSTITUTIONAL POSITIONS HELD IN UNIVERSITY

Currently teaching:
Introductory Programming
1st year of the undergraduate programs of “Computer Science” and of “Internet of Things, Big Data, Machine Lwearning”;
Computational Geometry
Master Degree in “Computer Science”;
Computer Science Education
Master Degree in “Computer Science”.

Additional current roles:
DMIF responsible for the “Scientific Degrees in Computing” ministerial initiative;
Member of the DMIF *Board for Teacher Education*.

SCIENTIFIC PUBLICATIONS

Author / Co-author of publications in international scientific journals and conference proceedings in the fields of Computational Geometry, geometric modelling and, more recently, Computer Science Education (in particular, programming learning).

RESEARCH

Currently, my main research interests are in the field of Computer Science Education, concerning the development of basic compentencies, in particular about the learning of programming, at the introductory university level as well as at the upper-secondary school level, and more generally of Computational Thinking, at all pre-tertiary instruction levels.
I have also addressed these educational research topics by taking part in the projects of the international Working Group sponsored by the ACM.

In the past, I have also addressed the application of specific geometric modelling techniques and the design of efficient algorithms, by exploiting the conceptual tools of Computational Geometry, in order to approach some problems arising in teh field of Motion Planning.

PRIVACY

I authorize the processing of my personal data in accordance with Article 13 of Legislative Decree No. 196 of June 30, 2003 –
“Code regarding the protection of personal data” and Article 13 of the GDPR 679/16 –
“European Regulation on the protection of personal data”.

Udine, April 30, 2023