

Bianca Falcidieno

Bianca Falcidieno is a former Research Director at the Institute of Applied Mathematics and Information Technologies of the National Research Council of Italy (CNR-IMATI), and she was the chair of the CNR Research Area of Genova (2009-2013). Her research focuses on shape modeling, computer graphics, computational mathematics, and knowledge representation. She has firmly established Genova as an internationally leading research center in these topics, strongly interacting with industrial and social application fields: from industrial design and manufacturing to geographic information systems, from multimedia to cultural heritage.

In her career, she coordinated several international projects and the CNR participation to many national research initiatives. As the coordinator of the European project AIM@SHAPE, she pioneered the development of semantics-driven approaches for representing 3D shapes, based on coupling knowledge technologies with geometric representations in this area. She was in charge of various international commitments, including editorial tasks, the organization of several international conferences and workshops as the chair or co-chair, and participation to international program committees. Bianca has also been a gifted mentor, and several of her former students and postdocs have meanwhile become internationally established researchers of their own.

Together with Prof. Kunii, she was the co-founder and the editor in chief of the Shape Modeling International Journal and created the Shape Modeling International conference series. Bianca Falcidieno has authored over 250 peer-reviewed scientific publications, her work has been published extensively in the leading journals of the field. For the 80th CNR anniversary, she was included in the 12 top-level female researchers in the history of CNR.

Bianca is a Eurographics Fellow and a Pioneer of the Solid Modeling Association. In 2019 she has been awarded the Eurographics Gold Medal for her outstanding scientific contributions to computer graphics and shape modeling. In 2021 the Shape Modeling International Awards Committee has assigned her the Tosiyasu Kunii Award for her outstanding career in shape modeling research.