

Stefano Ferrari

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Research Interests

Stefano Ferrari research interests are related mainly to soft-computing paradigms and their application to the computer graphics, signal processing and measurement systems. His research topics include:

- Hierarchical machine learning paradigms;
- 3D scanning;
- Classification.

The focus of his research is currently on two main topics. The first one is the design of Hierarchical Support Vector Machine based regression models. The second one is the use of soft-computing classification models for granulometry. He is author or co-author of 35 papers published in international refereed journals (13) or in proceedings of international congress.

Teaching

Stefano Ferrari currently teaches the course "Image Processing" of the Informatics graduate course at Università degli Studi di Milano.

Education and Academic Career

2002– Assistant professor at the Department of Information Technology, Università degli Studi di Milano.

2001–2002 Research associate at the Department of Information Technology, Università degli Studi di Milano.

2001 Ph.D. in Computer and Automation Engineering, Politecnico di Milano. Final dissertation title: "Una metodologia gerarchica per analisi e sintesi di immagini tridimensionali".

1995 Laurea degree in Computer Science (109/110), at the Università degli Studi di Milano. Final dissertation title: "Approssimazione di Superfici utilizzando le Radial Basis Functions".

Academic and professional activities

- In 2006 and 2007 he has been Guest Editor for the Special Section on Virtual Environments, Human-Computer Interface and Measurement Systems, IEEE Transactions on Instrumentation and Measurement.
- He served as reviewer for the following journals: IEEE Transaction on Neural Networks, IEEE Transaction on Instrumentation and Measurements, IEEE Signal Processing Letters, Integrated Computer-Aided Engineering (IOS Press), Journal of Systems Architecture (Elsevier Science), Neural Computing & Applications, Optics Express.
- He served as Local Arrangement Chair for EESMS 2009, Technical program co-chair for HAVE 2007 and Program Committee member for several international conferences and workshops.