

Enrico Grosso

PhD, Professor of Computer Engineering

Enrico Grosso received the degree in Electronic Engineering in 1988, from the University of Genoa, and the Ph.D. in Computer Science and Electronic Engineering in 1993, from the same university.

Since 1988 he has been involved as project investigator in several ESPRIT projects funded by the European Community. Among them P2502-VOILA, BR6769-SECOND, BR7108-VAP-2 and TIDE 1270-MOVAID. During 1990 he has been visiting the National Institute of Scientific Research LIFIA of Grenoble, France. In 1992 he was a visiting scientist at the Department of Computer Science of the University of Rochester, NY.

From 1995 to 2002 Enrico Grosso has been assistant professor at the Department of Communication, Computer and System Science of the University of Genoa. During this period he worked as project coordinator for national and international research projects, funded by MURST, ENEA and the European Community (ESPRIT27603-VIMINI). Associate Professor and then Full Professor in computer engineering at the Department of Economics of the University of Sassari, in the years 2009-2012 he served as Dean of the Faculty of Economics. In 2012 Enrico Grosso was one of the co-founders of the new Department of Political Science, Communication, Engineering and Information Technologies. Since 2018 is part of the Agriculture Department and President of the School of Computer Engineering.

The main research interests of Enrico Grosso cover image analysis, pattern recognition, biological and artificial vision, visuo-motor coordination, robotics, biometrics. The research activity carried on during the last decade had an interesting fallout in the field of advanced and anthropomorphic robotics and in the realization of intelligent systems and agents providing secure access to networks and environments.

Enrico Grosso is co-author of more than sixty papers published on high-profile conferences and journals. He served as reviewer for international conferences (European Conference on Computer Vision, International Conference on Computer Vision, IEEE Conference on Robotics and Automation, International Conference on Biometrics) and international journals (IEEE Transactions on PAMI, IEEE Transactions on Image Processing, Machine Vision and Applications, Journal of Robotic Systems, International Journal of Computer Vision).

Top-cited Publications

[1] Bicego, M, Lagorio, A., Grosso, E., Tistarelli, M., 2006. **On the use of SIFT features for face authentication**. Computer Vision and Pattern Recognition Workshop, CVPR 2006 Conference.

[2] Grosso, E., Metta, G., Oddera, A., Sandini, G., 1996. **Robust visual servoing in 3-D reaching tasks**. IEEE Transactions on Robotics and Automation, vol 12/5, pp 732-742, IEEE.

[3] Kisku, D.R., Rattani, A., Grosso, E., Tistarelli, M., 2007. **Face identification by SIFT-based complete graph topology**. IEEE Workshop on Automatic Identification Advanced Technologies, pp 63–68.

[4] Grosso, Enrico, and Massimo Tistarelli, 1995. **ActiveDynamic Stereo Vision**. IEEE Tr. on Pattern Analysis and Machine Intelligence, 17.11, IEEE.

Recent Publications

- [1] Cadoni, M., Lagorio, A., Grosso, E. 2019. **Incremental models based on features persistence for object recognition.** Pattern Recognition Letters.
- [2] Souad Khellat-Kihel, Laura Pandolfo, Luca Pulina, Enrico Grosso, 2018. **On Leveraging Facial Emotion Recognition Techniques in Personalized Recommendations.** Frontiers in Artificial Intelligence and Applications, Volume 310: Applications of Intelligent Systems, Pages 220 – 230, IOS Press.
- [3] Bicego, M, Farinelli, A, Grosso, E, Paolini, D, Ramchurn, S.D., 2018. **On the distinctiveness of the electricity load profile.** Pattern Recognition, Volume 74, Pages 317-325, ISSN 0031-3203, Elsevier.
- [4] Masala, G.L., Ruiu, P., Grosso, E, 2017. **2D Recurrent Neural Networks: a high-performance tool for Robust Visual Tracking in dynamic scenes.** Neural Computing and Applications, Springer.
- [5] Masala, G.L., Ruiu, P., Grosso, E, 2017. **Biometric authentication and data security in cloud computing.** In Computer and Network Security Essentials, Springer.
- [6] Masala, G.L., Golosio, B., Tistarelli, M., Grosso, E., 2016. **2D Recurrent Neural Networks for Robust Visual Tracking of Non-Rigid Bodies.** International Conference on Engineering Applications of Neural Networks, pp 18-34.
- [7] Cadoni, M., Lagorio, A., Grosso, E., 2016. **Large scale face identification by combined iconic features and 3D joint invariant signatures.** Image and Vision Computing, Volume 52, pp 42-55.
- [8] Ruiu, P., Caragnano, G., Masala, G.L., Grosso, E., 2016. **Accessing Cloud Services through Biometrics Authentication.** Complex, Intelligent, and Software Intensive Systems (CISIS 2016) 10th International Conference , pp 38-43.
- [9] Lagorio, A. Cadoni, M., Grosso, E., Tistarelli, M., 2016. **Blending 2D and 3D Face Recognition.** In Face Recognition Across the Imaging Spectrum, pp 305-331, Springer International Publishing.