

Daniela Schenone

Current position

2019 - Present - Temporary research fellow at Università degli Studi di Genova (Genova, Italy).

Previous position

2018 - 2019 Temporary research fellow at Università degli Studi di Genova (Genova, Italy).

Education

2015 - 2018 Ph.D. in Mathematics at Università degli Studi di Milano–Bicocca (Milan, Italy). Thesis: *Mathematical tools for images*. Advisor: L. Romani. Co-advisor: C. Conti.

Spring 2017 and 2018 Study periods abroad at Universitat de València, Facultat de Ciències Matemàtiques (Valencia, Spain), as part of my Ph.D. program.

2012 - 2015 M.Sc. in Mathematics at Università degli Studi di Genova (Genova, Italy). Thesis: *Detection of space curves by means of the Hough transform technique*. Advisors: M. C. Beltrametti, A. M. Massone. Co-advisor: M. Piana. Grade: 110/110 cum laude.

2009 - 2012 B.Sc. in Mathematics at Università degli Studi di Genova (Genova, Italy).

Publications

- 2021** Tagliafico, A.S., Dominietto, A., Belgioia, L., Campi, C., Schenone, D., Piana, M., Quantitative imaging and radiomics in multiple myeloma: A potential opportunity? *Medicina (Lithuania)*, 57 (2), art. no. 94, pp. 1-10 (2021). doi:10.3390/medicina57020094
- 2020** Tagliafico, A.S., Belgioia, L., Bonsignore, A. et al. Development and definition of a simplified scoring system in patients with multiple myeloma undergoing stem cells transplantation on standard computed tomography: myeloma spine and bone damage score (MSBDS). *Cancer Imaging* 20, 31 (2020). doi:10.1186/s40644-020-00306-1
- 2020** Bauckneht, M., Lai, R., Miceli, A. et al. Spinal cord hypermetabolism extends to skeletal muscle in amyotrophic lateral sclerosis: a computational approach to [18F]-fluorodeoxyglucose PET/CT images. *EJNMMI Res* 10, 23 (2020). doi:10.1186/s13550-020-0607-5
- 2020** Lai, R., Schenone, D., Sambuceti, G. et al. Prognostic power of the human psoas muscles FDG metabolism in amyotrophic lateral sclerosis. *Proc. SPIE 11314, Medical Imaging 2020: Computer-Aided Diagnosis*, 113141Z (16 March 2020). doi:10.1117/12.2548857
- 2020** Schenone, D., Lai, R., Cea, M. et al. Radiomics and artificial intelligence analysis of CT data for the identification of prognostic features in multiple myeloma. *Proc. SPIE 11314, Medical Imaging 2020: Computer-Aided Diagnosis*, 113144A (16 March 2020). doi:10.1117/12.2548983
- 2020** Tagliafico, A.S., Piana, M., Schenone, D. et al. Overview of Radiomics in Breast Cancer Diagnosis and Prognostication. *Breast* 49 (2020), 74-80. doi:10.1016/j.breast.2019.10.018

2019 Romani, L., Rossini, M., and Schenone, D. "Edge Detection Methods Based on RBF Interpolation." *Journal of Computational and Applied Mathematics* 349 (2019), 532-547. doi:10.1016/j.cam.2018.08.006

2018 Conti, C., Romani, L., and Schenone, D. "Semi-Automatic Spline Fitting of Planar Curvilinear Profiles in Digital Images using the Hough Transform." *Pattern Recognition* 74 (2018), 64-76. doi:10.1016/j.patcog.2017.09.017

Work experience

Mar. – June 2021 Tutor of C++ course, part of B.Sc. in Mathematics at Università degli Studi di Genova (Genova, Italy).

Feb. 2020 University Open Day tutor: frontal lessons for prospective students at Università degli Studi di Genova (Genova, Italy).

Mar. – June 2020 Tutor of C++ course, part of B.Sc. in Mathematics at Università degli Studi di Genova (Genova, Italy).

Jan. 2019 University Open Day tutor: frontal lessons for prospective students at Università degli Studi di Genova (Genova, Italy).

Mar. – June 2016 Tutor of Mathematics course, part of B.Sc. in Sociology at Università degli Studi di Milano-Bicocca (Milano, Italy).

2015 – 2018 Mathematics help desk at Università degli Studi di Milano-Bicocca (Milano, Italy).

Languages

Italian Mother Tongue.

English CEFR Level: C2. Exam: Cambridge C2 Proficiency (June 2019).

May 28, 2021