

CURRICULUM VITAE

Rossana Bellopede

PhD in Environmental Geo-Engineering from 2006, Rossana Bellopede is actually enrolled at the Politecnico di Torino as Associate Professor in the scientific sector ING/IND 29 (Raw Material Engineering).

Author of more than 70 papers published in international journals, conference proceedings and as book chapters, she is the assistant for the lessons and laboratories of the following courses at the Politecnico di Torino: "Primary and Secondary Raw Materials Engineering", "Occupational Safety Engineering", "Circular Economy in Building and Construction Sector".

Since 2015 in charge as testing Coordinator for Marble Laboratory

From 2019 co-responsible for the new Multimodal Analysis Laboratory – INFRA P funded laboratory

From 2016 member of the Stone Group of the UNI - National Body for Standardisation,

Since 2016 expert technician in the CEN Technical Committee TC 246 Natural Stones

Since 2018 member of Heritage Stone Sub commission.

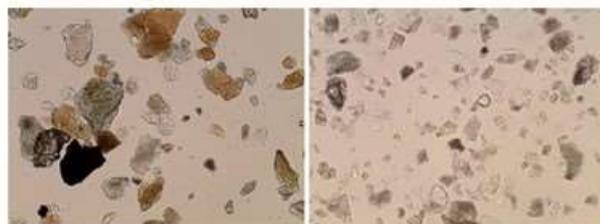
Since September 2019, research collaborator for CNR –IGG (Institute of Geoscience and Earth Resource).

She is actively working with national association in mining sector (ANIM) and in PROMETIA the international association on mineral processing and extractive metallurgy for mining and recycling of raw materials.

Research activities:

Her research activity has been developed on recovery and treatment of solid waste, durability of natural stone, bowing of natural stone slabs, testing to asbestos content measure. Following the description of the main research projects carried on:

Recycling and processing of tunnel muck and stone waste and other secondary raw material. Within the REMUCK project "Innovative methods for the eco-compatible and sustainable recycling of muck from tunnel excavation, also considering the potential content of noxious minerals" she is studying on the basis of the petrographic, physical and mechanical properties the possible uses of the muck like primary mineral raw material.



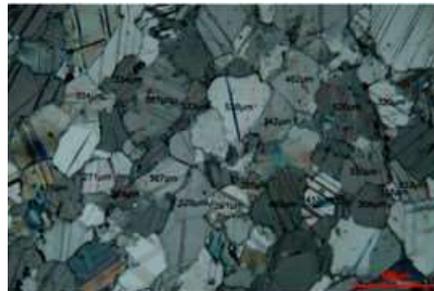
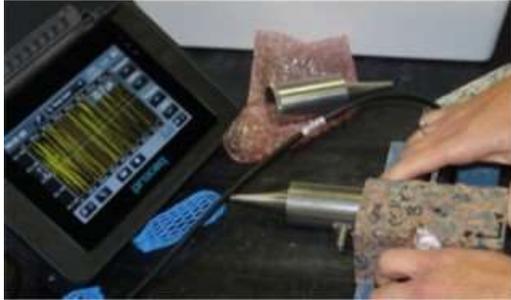
Dipartimento di Ingegneria dell'Ambiente, del Territorio e delle Infrastrutture

Politecnico di Torino Corso Duca degli Abruzzi, 24 – 10129 Torino – Italia

tel: +39 011.090.7738 fax: +39 011.090.7699

rossana.bellopede@polito.it url: <http://areeweb.polito.it/rawmaterials/staff.html>

Evaluation of durability of different natural stones. within the European project McDUR ("Effects of the Weathering On Stone Materials: Assessment of their Mechanical Durability, VFP) she studied different NDT techniques to evaluate, both in situ and in laboratory, the durability of natural stones. Within the European project TEAM (Testing and Assessment of Marble and Limestone, V PQ) she studied, by means of laboratory tests and accelerated ageing cycles on marble specimens, the causes of bowing phenomenon on façade marble slabs.



Heritage stones: member of Heritage Stone Sub commission since 2018, actually is involved in the project HerSTONES project (2020-2023 - Italy, Portugal, India, Brazil, Argentina, Mozambique and Colombia partners) funded by UNESCO IGCP and with the aim of international cooperation between experienced geoscientists and young researchers on the recognition of Heritage Stones in a global and young context by means of novel and effective ways, building capacities for the sustainable use of earth resources.



<https://twitter.com/theIUGS/status/1049285496965357568/photo/4>

Main publications of the recent years:

Zichella, L.; Dino, Giovanna Antonella; Bellopede, R.; Marini, P.; Padoan, E.; Passarella, I., (2020) Environmental impacts, management and potential recovery of residual sludge from the stone industry: The piedmont case, RESOURCES POLICY, Elsevier, pp. 12, 2020, Vol. 65, ISSN: 0301-4207, DOI: 10.1016/j.resourpol.2019.101562

BELLOPEDE, ROSSANA; ZICHELLA, LORENA; MARINI, PAOLA, (2020) Glass Waste3: A Preliminary Study for a New Industrial Recovery Processing, SUSTAINABILITY, MDPI, pp. 11, 2020, Vol. 12, ISSN: 2071-1050, DOI: 10.3390/su12051997

Zichella, Lorena; Marone, Paolo; Buonanno, Pasquale; D'Amore, Marco; Bellopede, Rossana, (2020) Silicate Sawing Sludge Recovery in Thermo Eco-Mortar for Macroporous Plaster, MATERIALS, MDPI, pp. 17, 2020, Vol. 13, ISSN: 1996-1944, DOI: 10.3390/ma13061293

Bellopede, Rossana; Zichella, Lorena; Marini, Paola (2020) Marble Durability Assessment by Means of Total Optical Porosity and Adjacent Grain Analysis, KEY ENGINEERING MATERIALS, Trans Tech Publications, pp. 13, 2020, Vol. 848, ISSN: 1013-9826, DOI: 10.4028/www.scientific.net/KEM.848.35

Zichella, Lorena; Marone, Paolo; Buonanno, Pasquale; Bellopede, Rossana; Marini, Paola (2019). Ornamental stone sludge recovery as thermo-eco mortar for plaster.. In Vol. 21, EGU2019-15766-2 vol. Vol. 21

Bellopede, R.; Zichella, L.; Marini, P.; Luodes, N. M. (2018). Natural Stone decay: Artificial ageing tests versus natural weathering. pp.269-271. In Conserving Cultural Heritage - ISBN:9781-138-06744-8

Zichella, Lorena; Bellopede, Rossana; Marini, Paola; Tori, Alice; Stocco, Alessandro (2017) Diamond wire cutting: A methodology to evaluate stone workability. In: MATERIALS AND MANUFACTURING PROCESSES, pp. 1-7. - ISSN 1042-6914

Bellopede, R.; Castelletto, E.; Marcone, N; Marini P. (2016) Applications of Image Analysis to Marble Samples. In: 13th International Congress on the Deterioration and Conservation of Stone, University of the West of Scotland, Paisley, September 6th to 10th, 2016. pp. 261-269

Bellopede, Rossana; Castelletto, Eleonora; Schouenborg, Bjorn; Zichella, Lorena; Marini, Paola (2016) Assessment of the European standard for the determination of resistance of marble to thermal and moisture cycles - Recommendations for improvements. In: ENVIRONMENTAL

Bellopede, Rossana; Marini, Paola; Karaca, Zeki; Gökçe, Mehmedi Vehbi (2016) Relationship between Slipperiness and Other Characteristics of Stones used as Flooring Slabs. In: JOURNAL OF MATERIALS IN CIVIL ENGINEERING. - ISSN 0899-1561

Bellopede, Rossana; Castelletto, Eleonora; Marini, Paola (2016) Ten years of natural ageing of calcareous stones. In: ENGINEERING GEOLOGY, vol. 211, pp. 19-26. - ISSN 0013-7952

Turin, 07/07/2020