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Enrico Masoero is Senior Lecturer in Engineering at Newcastle University, UK. He obtained his PhD in Structural Engineering at Politecnico di Torino, Italy (2010), with a dissertation on particle-based simulations of building collapse. During his postdoc at MIT (2010-2013) his research shifted to the nanoscale of cement hydration, leading to his current focus on chemo-mechanical simulations at the nano-to-micro mesoscale. Enrico has authored various papers in international journals, including in Physical Review Letters, PNAS, ACS Journal of Applied Materials and Interfaces, and Cement and Concrete Research. He is Co-I in a large U.K. project on particle-based simulations of biomineralization. He is also member of the Materials Properties committee of the Engineering Mechanics Institute, of the American Society of Civil Engineers.