

RESTORE FINAL ONLINE CONFERENCE 3RD DECEMBER 2020**Note:**

1) The title should be as brief as possible; 2) Your abstract must not be longer than 300 words, and it should state briefly and clearly the purpose, methods, results and conclusions of the work; 3) Please provide a short CV + Foto for upload on www.eurestore.eu/restore-final-conference/.

Title:

Human well-being via certification and tools

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Abstract: (max. 300 words)

Well-being is a recurring term in today's scientific research and design practice in the domain of the built environment. However, despite being among the declared objectives of most standards and certification tools, there are still many questions on how to effectively sustain, nurture, and measure well-being in the places we inhabit. This includes a characterisation of what well-being implies in terms of conception, operation, maintenance, and renovation of buildings, the interaction of different factors that may influence its achievement, and the development of suitable metrics and tools to verify well-being outcomes. In cognisance of these challenges, this presentation will illustrate the need for the substantial paradigm shift that is necessary for well-being to become a design driver and a priority in the design and operation of the built environment. We may or may not agree that well-being is becoming the “new green” for the construction industry. Yet, addressing new regulatory demands and user expectations requires moving beyond the traditional environmental, social, and economical considerations framed by conventional indoor environmental quality (IEQ) paradigms and the metrics used to benchmark them, for long centred on energy efficiency, catalysing interdisciplinary knowledge for their transfer to research and building practice. Of course, there can be no ‘silver bullet’ to fully respond to these new requirements. However, as shown by the substantial advances in design and regulations, sustained efforts in research and practice can offer significant opportunities towards the realisation of better, more comfortable, higher performing, healthier, and ultimately regenerative buildings.

Keywords: (max.5, please use semicolons)

Well-being; comfort; indoor environmental quality; standards; certification system

Short CV: (max. 100 Words + Foto)

Dr Sergio Altomonte is Professor of Architectural Physics at the Université catholique de Louvain (Belgium), where he directs the research group Architecture et Climat. He obtained a MArch (1998) and PhD in Environmental Design (2004) at the University La Sapienza (Italy). He was awarded a Master in Architecture and Sustainable Development (2001) at EPFL (Switzerland). He has held academic appointments in Italy, Australia (Melbourne) and UK (Nottingham), and visiting roles in Denmark (Royal Danish Academy) and the US (University of California Berkeley). His research expertise sits at the intersection between architectural design, indoor environmental quality, human psychophysics, and sustainable development.

