



3<sup>RD</sup> SILK CITIES INTERNATIONAL CONFERENCE

Abstract Proceedings

**RECONSTRUCTION, RECOVERY  
AND RESILIENCE OF HISTORIC  
CITIES AND SOCIETIES**

**L'AQUILA, 10-12 JULY 2019**



# RECONSTRUCTION, RECOVERY AND RESILIENCE OF HISTORIC CITIES AND SOCIETIES

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## NAMES, AFFILIATIONS AND TITLE

**Mounir-Sabeh Affaki**, University of Coimbra  
*Reconstruction of heritage and spirit: mending the scars of Aleppo.*

**Patricia Alarcón, Mario Benumea, M.Cristina Garcia-Nieto, Marcos Martínez-Segura**, Universidad Michoacana de San Nicolás de Hidalgo, Seismocontrol S.A. de C.V., Universidad Politécnica de Cartagena  
*Seismic behavior of the structure of the convent San Juan Bautista de Tetela del Volcan, during the earthquake on September 19, 2017, with epicenter in Axochiapan, State of Morelos, Mexico.*

**Patricia Alarcón, M.Cristina Garcia-Nieto, Manuel Navarro, Marcos A. Martínez-Segura**, Universidad Michoacana de San Nicolás de Hidalgo, Universidad Politécnica de Cartagena, Universidad de Almería  
*Seismic microzonation as a preventive measure for the conservation of historical heritage.*

**David Alexander**, University College London  
*London's Grenfell Tower tragedy interpreted as a cascading disaster.*

**Avar Almkhtar**, Oxford Brookes University  
*Post-war urban reconstruction and cultural heritage in relation to national identity; the case of Erbil-Iraqi Kurdistan.*

**Rosabella Alvarez-Calderon**, Pontificia Universidad Católica del Perú  
*Water gives, water takes away. Cultural heritage and memory as ways to build resilience in ENSO-vulnerable historic landscapes in the north coast of Peru.*

**Dario Ambrosini, Luisa Capannolo, Pierluigi, De Berardinis, Tullio De Rubeis, Mariangela De Vita, Eleonora Laurini, Iole Nardi, Domenica Paoletti**, Dept. of Industrial and Information Engineering and Economics (DIIIIE), Dept. of Civil, Construction-Architectural and Environmental Engineering (DICEAA), University of L'Aquila, Construction Technologies Institute, National Research Council, ENEA Casaccia – Energy Efficiency Unit Department (DUEE-SPS-ESU)  
*The earthquake of L'Aquila as an opportunity for buildings' structural and energy retrofit – multidisciplinary approach for the former S. Salvatore hospital.*

**Giuseppe Amoruso, Polina Mironenko**, Politecnico di Milano  
*The representation of resilient city. The case of Amatrice's reconstruction.*

**Valeria Annibaldi, Federica Cucchiella, Giuseppe Ferri, Marianna Rotilio, Vincenzo Stornelli**, University of L'Aquila, DIIIIE  
*Rehabilitation of existing buildings using smart sensors and ICT technologies.*

**Valeria Annibaldi, Marianna Rotilio**, University of L'Aquila DIIIIE,  
*Environmental criticalities and energetic potentials in the post-earthquake reconstruction.*

**Ayda Majd Ardekani, Sophia Labadi, Rocio Von Jungendorf**, University of Kent  
*Evaluating visitors' experiences at St Augustine's Abbey (Canterbury).*

**Farnaz Arefian**, University of Newcastle & Silk Cities, Singapore  
*Linkages between reconstruction, heritage and urban processes: Bam, Hoi An and Tacloban, Philippines.*

**Satoshi Arikawa, Elizabeth Maly, Tsukasa Iwata Tohoku**, University, Tohoku Institute of Technology,  
*Results and problems of localized housing recovery in Japan using traditional construction methods.*

**Lucia Barchetta, Enrica Petrucci**, University of Camerino  
*The local heritage as a mean to build resilience: the case of Arquata del Tronto in the Marche Region.*

**Carla Bartolomucci**, Università degli Studi dell'Aquila - DICEAA  
*Historical centers and post seismic reconstructions: experiences compared.*

**Irene Ruiz Bazán, Chiara Lucia Maria Occelli, Riccardo Palma**  
*Reconstruction after a programmed disaster: the construction of a dam. The cases of Zuri and Cantalupo Ligure (Italy).*

**Paolo Belardi, Moreno Marziani, Giovanna Ramaccini**, University of Perugia, M&G Engineering, University of Perugia  
*HDD: heritage debris design. Debris between memory and reuse.*

**Lee Boshier, Ksenia Chmutina, Monia Del Pinto, Falli Palaiologou**, WEDC, Loughborough University, Loughborough University  
*Streets and squares are not in our plans: reflections about urban public open spaces and post-earthquake reconstruction.*

**Paola Branduini, Fabio Carnelli**, Politecnico di Milano  
*The preservation of rural landscapes as a tool for building resilience in the context of small towns: insights from North Italy.*

**Simona Bravaglieri, Silvia Furioni, Elia Zenoni**, Politecnico di Milano  
*Beyond the damage, the reconstruction of L'Aquila.*

**Alessandro Bruccoleri, Silvia Covarino, Girne American** University, Northern Cyprus  
*The urban regeneration of Nicosia, the borders city.*

**Giulia Brunori, Michele Zampilli**, Dipartimento di Architettura-UniRoma3  
*Knowledge of historical heritage as a basis for a conscious and resilient reconstruction. The case of Arquata Del Tronto (Ap).*

**Enrica Brusa**, Politecnico di Milano  
*The emergency management after the Emilia Romagna – Lombardia earthquake (2012): a comparison between the regional experiences.*

**Lina Calandra**, University of L'Aquila,  
*An assessment of the Participatory Action-Research experience in L'Aquila ten years after the earthquake.*

**Stefano Cecamore**, Department of Architecture, University 'G. d'Annunzio' Chieti-Pescara  
*Earthquakes and reconstructions. History and identity of historical centres and towns of the Apennine range.*

**Simonetta Ciranna**, University of L'Aquila, Department of Civil Engineering, Building-Architecture, Environmental (DICEAA)  
*The Marsica one hundred years later.*

**Jeff Cody**, Getty Conservation Institute  
*Introducing 'Historic Cities: Issues in Urban Conservation', a new book related to the challenges facing L'Aquila and other 'silk cities'.*

**Eva Coisson, Lia Ferrari, Federica Ottoni**, Università di Parma  
*Bell towers under (seismic) attack: how to save a symbol, once it turned into a menace.*

**Quirino Crosta**, University of L'Aquila, DICEAA  
*Post-crisis masterplanning: the public space for a new approach.*

**Giulia De Cunto**, IUAV Venezia  
*Bondings between urban fabric and capacity of collective resilience: the case of Talca historic center.*

**Federico De Matteis**, University of L'Aquila  
*Ancient city of the future. Notes on the reconstruction of Beirut.*

**Alessandra De Nicola, Piero Magri, Franca Zuccoli**, Dipartimento di Scienze Umane per la Formazione, Università di Milano-Bicocca, Presidente di Terre di Mezzo, casa editrice che organizza Fa' la cosa giusta  
*Fà cosa giusta! exhibition: an opportunity to create synergies between schools, museums and our heritage.*

**Donato Di Ludovico**, University of L'Aquila  
*Cities in transformation. Smarter reconstruction in historic centres.*

**Giorgia Di Marcantonio, Pamela Galeazzi, Caterina Paparello**, University of Macerata  
*The recovery of archives in the area of the Marche crater.*

**Nada Elfeituri**, University College London  
*The Solidere effect and the localization of heritage reconstruction in post-war transitions.*

**Federico Eugeni and Luana Di Lodovico**, Università degli Studi dell'Aquila  
*Rebuilding: urban and social reconstruction. L'Aquila and the seismic crater ten years later.*

**Alireza Fallahi, Seyed Hassan Taghvaei, Ameneh Karimian**, Shahid Beheshti University, Iranian Relief Association  
*Integrating green solutions into post-earthquake recovery of Bam, Iran.*

**Piero Farabollini, Francesca Lugerì**, University of Camerino, Institute for environmental protection and research  
*Risk management and social participation. An Italian question.*

**Marco Felli**, University of L'Aquila, DICEAA  
*Restoration strategies among Italy and United States at the beginning of twentieth century. Post-trauma recovering of monumental buildings.*

**Alessandra Ferrighi**, Università Iuav di Venezia  
*The inverted pyramid. The reconstruction of Venzone after the 1976 Friuli earthquake.*

**Francesca Fiaschi**, Université de Montréal  
*Thinking about reconstruction: functionalist reconstruction or identity reconstruction? Following the great post-World War II reconstruction and the recent Italian post-earthquake reconstructions, what is the current model for reconstruction?*

**Catherine Forbes, Amanda Ohs**, Australia ICOMOS, ICORP, GML Heritage, Christchurch City Council, ICOMOS New Zealand  
*Loss, recovery, resilience and hope for cultural heritage in Christchurch.*

**Cesare Fregola, Sara Gabrielli**, Università degli Studi Roma Tre, Sapienza University of Rome  
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**Flavia Fulco**, University of Toyama  
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**Margherita Ganz**, Politecnico di Milano  
*Architectural heritage and earthquakes: a longstanding relation.*

**Francesco Giancola**, University of L'Aquila  
*Reconstruction between past and present: comparing historical cities - the reconstruction of the urban fabric: two parallel study cases Town Hall Square in Riga (Latvia) and Santa Maria Paganica Square in L'Aquila (Italy).*

**Barnaby Gunning, Lucia Patrizio Gunning**, Barnaby Gunning Studio Ltd, University College London  
*Rebuilding engagement from the ground up.*

**Jamal S.Hashemi, Hamidreza Jayhani, Parichehr Shafie**, University of Kashan  
*Master Plans and Its Impacts on the Urban Historic Area of the Bazaar of Kashan.*

**Abhishek Jain**, Jamia Millia Islamia University  
*Intangible cultural economy a mould for tangible urban built fabric - case of Shahjahanabad - bridging India and the silk route.*

**Hidehiko Kanegae, Kohei Sakai**, Ritsumeikan University  
*A study on evacuation method using agent simulation based on tourists' behavioral intention.*

**Arezoo Khazanbeig, Nima Tabrizi**, University of Tehran  
*Regeneration, indirect approach toward historical urban resilience and reconstruction.*

**Miwako Kitamura**, Tohoku University  
*The role of traditional dancing in revitalising disaster-stricken areas after the Great East Japan Earthquake: a case study of Fudai village in Iwate prefecture.*

**Karlygash Kuralbayeva, Krisztina Molnar, Concetta Rondinelli, Po Yin Wong**, Kings College, Norwegian School of Economics, Banca d'Italia, Norwegian School of Economics  
*Shaking preferences: earthquakes and impatience.*

**Azadeh Lak, Soheila Sadeghzadeh**, Shahid Beheshti University  
*The experience of Play Street: applying tactical urbanism to urban resilience approach in Iran.*

**Silas Lamai**, Girne American University  
*Urban resilience in the informal settlement: Makoko risk and adaptation.*

**Ashley E. Lazarre**, University of Massachusetts, Boston  
*Collective storytelling as an approach to influence post-disaster policy development.*

**Judy Mahfouz**, UIC Barcelona  
*Aleppo's Old Souks: Post Conflict Heritage Reconstruction.*

**Simona Manzoli**, Università degli Studi "G. d'Annunzio" Chieti-Pescara  
*Photography for the city.*

**Iole Marcozzi, Antonella Nuzzaci**, Ilmiofuturo, University of L'Aquila  
*Dropout, resilience and cultural heritage: a focus of the ACCESS Project in a highly fragile area.*

**Marco Marino**, Università luav di Venezia  
*Giuseppe Torres's Asymmetric Patent for Homes. The original reconstruction of Messina after the earthquake of 1908.*

**Barbara Minguez Garcia**, The World Bank  
*Antigua Guatemala, from history of disasters to resilient future.*

**Vincenzo Mini**, University of L'Aquila  
*Public administration vs social media in emergency situations.*

**Patrizia Montuori**, University of L'Aquila  
*Coventry shell or phoenix, city of tomorrow or concrete jumble. From the reconstruction after the Mondscheinsonate operation to the Phoenix Initiative.*

**Osamu Murao, Tomohiro Tanaka**, Tohoku University, Taisei Corporation  
*Post-tsunami recovery and mitigation effect in the coastal areas affected by the 2011 Great East Japan Earthquake and tsunami.*

**Claudia Gonzalez Muzzio, Ambito Consultores** - GRID Chile  
*Different paths in heritage reconstruction of rural traditional towns in central Chile.*

**Silvia Nanni, Nicoletta Di Genova, Alessandro Vaccarelli**, University of L'Aquila  
*Educational poverty factors and resilient responses in the Aquila youth population; a qualitative study.*

**Yasuaki Onoda, Haruka Tsukuda**, Tohoku University  
*The housing reconstruction plan with using victims' housing recovery opinions and the influences – comparison with the Great East Japan Earthquake and L'Aquila Earthquake.*

**Satoshi Otsuki, Paola Rizzi, Sarunwit Promsaka Na Sakonakron, Laura Pistidda, Masahiro Shiotsuki,** Kochi University, University of L'Aquila, Thammasat University, Diver s City, urbanlab, Nagoya University of Foreign Studies  
*The loudest silence before a next Nankai Earthquake: disaster preparedness in Susaki town, Japan.*

**Mehrnaz Rajabi,** Politecnico di Milano  
*Whom and whose cultural heritage? Comparative case studies; Rudabai and Dada Harir Stepwells, in Gujarat, India.*

**Satoshi Otsuki, Hidehiko Kanegae, Paola Rizzi, Hiroari Shimizu,** Kochi University, Ritsumeikan University, L'Aquila University, RItsumeikan University  
*A study on Italian disaster recovery system in comparing to Japan during living in temporary shelter.*

**Maria Valese,**  
*Rural Resilience. Piaggine, a case study in Cilento geopark.*

**Arianna Tanfoni**  
*The tree.*

**Somayeh Zandieh and Vahide Ebrahimnia,** Shahid Beheshti University  
*Social Media in Disaster Management: How Social Media Impacts the Work of Public Sector Organizations in Disaster Response in Lorestan Floods in Iran.*