

EDITORIAL

- 06 | **Research and design: current problems and experiences of the Italian Architectural Technology scientific sector**
Maria Chiara Torricelli

DOSSIER

- 08 | **Research, architectural design and knowledge transfer**
Mario Losasso
- 13 | **Interview with Marco D'Orazio, by Massimo Perriccioli**
- 14 | **Interview with Angelo Ciribini, by Andrea Tartaglia**
- 17 | **Interview with Carlo Magnani, by Carola Clemente**
- 21 | **Interview with Donatella Fiorani, by Fabrizio Tucci**
- 24 | **Interview with Michelangelo Russo, by Sergio Russo Ermolli**
- 27 | **Interview with Vito Cardone, by Mario Losasso**

ESSAYS

- 29 | **A spin-off as an effective tool for advanced teaching and implementable technology development**
Federica Ottone
- 37 | **Social housing: a new home living model. The ongoing experimentation between integration of knowledge and practices**
Daniela Mello
- 43 | **Safety and accessibility in use: risk factors and their determinants**
Antonio Lauria, Valeria Tatano
- 54 | **Technological transfer in an industrial sector in crisis. The relationship between universities and the clay brick and roofing tile industry in Italy**
Adolfo F. L. Baratta
- 62 | **Performance based building design to ensure building quality: from standardization to LEAN construction**
Carlo Zanchetta, Giorgio Croatto, Rossana Paparella, Umberto Turrini
- 70 | **Sustainable Sites Initiative: US updated rating criteria for open spaces design**
Renata Valente

RESEARCH & EXPERIMENTATION

- 81 | **Data, BigData and smart cities. Considerations and case study on environmental monitoring**
Giacomo Chiesa
- 90 | **Technological energy and environmental refurbishment of historical Italian libraries**
Alessandra Battisti, Fabrizio Tucci
- 109 | **The Cultural Territory of a Technological Excellence – A Field Research in South Tyrol**
Michela Toni
- 121 | **Environment as a home to architecture. The Cremona City Hub project**
Emilio Faroldi, Maria Pilar Vettori
- 130 | **Tactics and Strategy for the SEAP - Action Plan for Sustainable Energy. The city of Alessandria as a case study**
Lorenzo Savio
- 137 | **Relationship between energy systems and landscapes. Guidelines and tools for design and management**
Elisabetta Ginelli, Laura Daglio
- 145 | **Eco Power Parks. Energy Development of Regional Parks**
Eliana Cangelli, Serena Baiani, Maurizio Sibilla, Roberta Rotondo
- 155 | **Urban environment and vegetation: comfort and urban heat island mitigation**
Adriano Magliocco, Katia Perini
- 163 | **Risk security and soil loss mitigation: the EU case study of the Sufalnet Project**
Marina Rigillo
- 171 | **Circular processes for a new urban metabolism: the role of municipal solid waste in the sustainable requalification**
Antonella Mami

- 181 | **Innovative methods for a sustainable retrofit of the existing building stock. *A cross-path from social housing to the listed heritage***
Pietromaria Davoli, Vittorino Belpoliti, Paola Boarin, Marta Calzolari
- 190 | **Sustainability and heritage: from a case study, new horizon of research**
Giovanna Franco
- 198 | **S. Johannes in Jerusalem Church: enhancement through technological analysis**
Carolina Rosini
- 208 | **Baukunst and the project of the construction's form. Research and didactics**
Vitangelo Ardito
- 219 | **The new chamber building of Malta: architectural image and building technology**
Vincenzo Sapienza
- 228 | **Integrated management of information inside maintenance processes. From the building registry to BIM systems**
Cinzia Talamo
- 241 | **Tools and methods for the management of healthcare real estate assets. The experience of the multidisciplinary laboratory of the Careggi University Hospital**
Luca Marzi
- 250 | **S(P)EEDKITS & Smart Packaging. Novel textile application to redesign the emergency response**
Alessandra Zanelli, Guy Buyle, Gianluca Giabardo, Salvatore Viscuso
- 261 | **Considerations on the environmental performances of deck-ventilated roofs for developing contexts**
Gian Luca Brunetti
- 271 | **Strategies for spatial and technological flexibility**
Cristiana Cellucci, Michele Di Sivo
- 278 | **NETWORK SIT_{dA}**
I CLUSTER TEMATICI

SIT_{dA}
Società Italiana della Tecnologia
dell'Architettura

