

Asst. Prof. VALENTINA BEATINI

Personal Information

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Research Areas

Civil Engineering, Mechanical, Structure, Performance of Constructed Facilities, Masonry Structures, Architecture, Building Information, Structural elements, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The role of frictional contact of constituent blocks on the stability of masonry domes**
BEATINI V., Royer-Carfagni G., Tasora A.
PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES, vol.474, no.2209, 2018 (SCI-Expanded)
- II. **Large transformations with moderate strains of tensile membrane structures**
BEATINI V., Carfagni G. R.
MATHEMATICS AND MECHANICS OF SOLIDS, vol.22, no.8, pp.1717-1737, 2017 (SCI-Expanded)
- III. **A regularized non-smooth contact dynamics approach for architectural masonry structures**
BEATINI V., Royer-Carfagni G., Tasora A.
COMPUTERS & STRUCTURES, vol.187, pp.88-100, 2017 (SCI-Expanded)
- IV. **Symmetry-Based Transformable and Foldable Plate Structures**
BEATINI V.
JOURNAL OF MECHANICAL DESIGN, vol.139, no.7, 2017 (SCI-Expanded)
- V. **Soap film analogy for anisotropically stretched membranes and cable nets**
BEATINI V., Royer-Carfagni G.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.55, no.3, pp.885-898, 2017 (SCI-Expanded)

Supported Projects

BEATINI V., TASORA A., ROYER CARFAGNI G., Project Supported by Higher Education Institutions, Modelling the failure of architectural masonry structures with non-smooth contact dynamics., 2017 - 2019

Memberships / Tasks in Scientific Organizations

International Association of Space Structures - IASS, Member, 2015 - Continues

Metrics

Publication: 5

Citation (WoS): 19

H-Index (WoS): 2