



## Materials Research Solid State Physics and Engineering

# Theoretical and **Applied Mechanics**

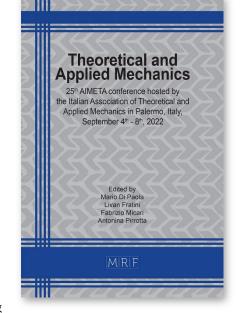
**AIMETA 2022** 

### Eds. Mario Di Paola, Livan Fratini, Fabrizio Micari, Antonina Pirrotta

Proceedings / PDF eBook DRM Free

The book presents the proceedings of the XXV National Congress of the Italian Association of Theoretical and Applied Mechanics (Palermo, September 2022).

Keyword: Fluid Mechanics, Solid Mechanics, Structural Mechanics, Mechanics of Machine, Computational Mechanics, Biomechanics, Masonry Modelling and Analysis, Dynamical Systems in Civil and Mechanical Structures, Control and Experimental Dynamics, Mechanical Modelling of Metamaterials and Periodic Structures, Novel Stochastic Dynamics, Signal Processing Techniques for Civil Engineering



http://www.mrforum.com

e-mail: t.wohlbier@mrforum.com

Applications, Vibration-based Monitoring and Dynamic Identification of Historic Constructions, Modeling and Analysis of Nanocomposites and Small-Scale Structures, Gradient Flows in Mechanics and Continuum Physics, Multibody Systems Vibration Analysis, Mechanics of Renewable Energy Systems, Mathematical Modeling and Experimental Techniques for Quantification and Prediction of Fluid Dynamic Noise, and Advanced Process Mechanics

**ISBN 13:** 978-1-64490-243-1, **Publication Date:** 2023 (4/15/2023) **Direct URL:** https://www.mrforum.com/product/aimeta2022

744 pages, PDF eBook DRM Free, USD 150.00

Materials Research Proceedings Vol. 26 / BISAC: TEC021000 / BIC/Thema: TGM Imprint: Materials Research Forum LLC, Publisher's sales rights are Wordwide

#### Summary:

The book presents the proceedings of the XXV National Congress of the Italian Association of Theoretical and Applied Mechanics (Palermo, September 2022). The topics cover theoretical, computational, experimental and technical-applicative aspects. Chapters: Fluid Mechanics, Solid Mechanics, Structural Mechanics, Mechanics of Machine, Computational Mechanics, Biomechanics, Masonry Modelling and Analysis, Dynamical Systems in Civil and Mechanical Structures, Control and Experimental Dynamics, Mechanical Modelling of Metamaterials and Periodic Structures, Novel Stochastic Dynamics, Signal Processing Techniques for Civil Engineering Applications, Vibration-based Monitoring and Dynamic Identification of Historic Constructions, Modeling and Analysis of Nanocomposites and Small-Scale Structures, Gradient Flows in Mechanics and Continuum Physics, Multibody Systems Vibration Analysis, Mechanics of Renewable Energy Systems, Mathematical Modeling and Experimental Techniques for Quantification and Prediction of Fluid Dynamic Noise, and Advanced Process Mechanics.



### **Full Color Print Book Information**

Materials Research Solid State Physics and Engineering

# Theoretical and Applied Mechanics

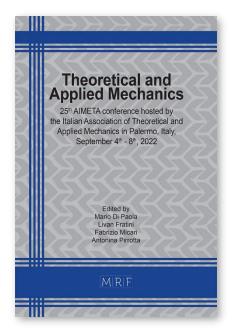
**AIMETA 2022** 

### Eds. Mario Di Paola, Livan Fratini, Fabrizio Micari, Antonina Pirrotta

Proceedings / color print, paperback

The book presents the proceedings of the XXV National Congress of the Italian Association of Theoretical and Applied Mechanics (Palermo, September 2022).

Keyword: Fluid Mechanics, Solid Mechanics, Structural Mechanics, Mechanics of Machine, Computational Mechanics, Biomechanics, Masonry Modelling and Analysis, Dynamical Systems in Civil and Mechanical Structures, Control and Experimental Dynamics, Mechanical Modelling of Metamaterials and Periodic Structures, Novel Stochastic Dynamics, Signal Processing Techniques for Civil Engineering



Applications, Vibration-based Monitoring and Dynamic Identification of Historic Constructions, Modeling and Analysis of Nanocomposites and Small-Scale Structures, Gradient Flows in Mechanics and Continuum Physics, Multibody Systems Vibration Analysis, Mechanics of Renewable Energy Systems, Mathematical Modeling and Experimental Techniques for Quantification and Prediction of Fluid Dynamic Noise, and Advanced Process Mechanics

**ISBN 13:** 978-1-64490-242-4, **Publication Date:** 2023 (4/15/2023) **Direct URL:** https://www.mrforum.com/product/aimeta2022

744 pages, color print, paperback, USD 200.00

Materials Research Proceedings Vol. 26 / BISAC: TEC021000 / BIC/Thema: TGM Imprint: Materials Research Forum LLC, Publisher's sales rights are Wordwide

#### Summary:

The book presents the proceedings of the XXV National Congress of the Italian Association of Theoretical and Applied Mechanics (Palermo, September 2022). The topics cover theoretical, computational, experimental and technical-applicative aspects. Chapters: Fluid Mechanics, Solid Mechanics, Structural Mechanics, Mechanics of Machine, Computational Mechanics, Biomechanics, Masonry Modelling and Analysis, Dynamical Systems in Civil and Mechanical Structures, Control and Experimental Dynamics, Mechanical Modelling of Metamaterials and Periodic Structures, Novel Stochastic Dynamics, Signal Processing Techniques for Civil Engineering Applications, Vibration-based Monitoring and Dynamic Identification of Historic Constructions, Modeling and Analysis of Nanocomposites and Small-Scale Structures, Gradient Flows in Mechanics and Continuum Physics, Multibody Systems Vibration Analysis, Mechanics of Renewable Energy Systems, Mathematical Modeling and Experimental Techniques for Quantification and Prediction of Fluid Dynamic Noise, and Advanced Process Mechanics.

http://www.mrforum.com e-mail: t.wohlbier@mrforum.com