

# ICCSE3

3rd International Conference on Computations for Science and  
Engineering

Pegaso University, Naples, Italy

20-23 September 2023

## Conference program

António J.M. Ferreira

Francesco Fabbrocino

Gian Piero Lignola

Nicholas Fantuzzi

Michele Baccocchi



# General Information

## Conference Chairs

*António J.M. Ferreira, University of Porto, Portugal*

*Francesco Fabbrocino, Pegaso Telematic University, Italy*

*Gian Piero Lignola, University of Naples Federico II, Italy*

*Nicholas Fantuzzi, University of Bologna, Italy*

*Michele Baccocchi, University of San Marino, San Marino*

---

## Conference Program – *Italy time (CEST/GMT+2)*

### Wednesday, September 20

14h00 — Registration Opens

15h00-15h15 — Opening (*Conference Chairs & Authorities*)

15h15-16h30 — Welcome Keynote Lectures

16h30-17h30 — Welcome Buffet

### Thursday, September 21

09h30-11h00 — Early-Morning Parallel Sessions

11h00-11h30 — Break

11h30-13h30 — Mid-Morning Parallel Sessions

13h30-14h30 — Lunch Break

14h30-16h45 — Afternoon Parallel Sessions

### Friday, September 22

09h30-11h00 — Early-Morning Parallel Sessions

11h00-11h30 — Break

11h30-13h30 — Mid-Morning Parallel Sessions

13h30-14h30 — Lunch Break

14h30-16h45 — Afternoon Parallel Sessions

### Saturday, September 23

09h00-13h00 — Free Meetings

---

## Links for Virtual Rooms

**Room A (mixed: physical and virtual)**

[Access the virtual Room A](#)

**Room B (mixed: physical and virtual)**

[Access the virtual Room B](#)

## Live program

Wednesday, September 20 (Mid-Morning)

### Room A

*Session Chair: Antonio J.M. Ferreira*

*Session Chair: Nicholas Fantuzzi*

15h00

### Opening

*Conference Chairs & Authorities*

### Welcome Keynote Lecture

15h15

### 3004|From Research to Business

*Nicolais, Luigi*

15h30

### 3001|Health Education and Sustainable Development Analysis

*Colao, Annamaria*

15h45

### 3005|The role of Universities in Innovation Ecosystems

*Ventre, Giorgio*

16h00

### 3002|Environmental, Social and Governance disclosure and sustainability in small and medium enterprises

*Esposito De Falco, Salvatore*

16h15

### 3003|Analysis and visualization of Big Data for territorial governance

*Gambardella, Carmine*

— Welcome Buffet —

**Thursday, September 21 (Early-Morning)**

**Room A**

*Session Chair: Marco Montemurro*

*Session Chair: Amélia Loja*

**Thematic Keynote Lecture**

09h30

**2001|Reduced Order Modelling in Computational Sciences: state of the art, challenges and applications**

*Rozza, Gianluigi*

**Methods- Modeling and Simulations**

10h00

**1060|High-performance virtual testing beyond coupons: applications to large-scale composite structures**

*Chen, Xiao*

10h15

**1035|On thermo-mechanical problems in a topology optimisation method based on non-uniform rational basis spline entities**

*Urso, Elisabetta; Zerrouq, Salah-eddine; Montemurro, Marco*

10h30

**1036|A finite element derivation of variable angle tow composite plates via hierarchical models derived from Carrera's unified formulation**

*Iannotta, Domenico A.; Giunta, Gaetano; Montemurro, Marco*

10h45

**1037|High order 1D and 2D CUF models for transversely isotropic compressible and nearly-incompressible soft materials and structures**

*Chiaia, Piero; Pagani, Alfonso; Cinefra, Maria; Carrera, Erasmo*

— **Break** —

Thursday, September 21 (Mid-Morning)

Room A

Session Chair: Xiao Chen

Session Chair: Nicholas Fantuzzi

### Thematic Keynote Lecture

11h30

**2009|Fatigue crack growth modeling in metallic materials – mean stress effect and energy approach**

*Lesiuk, Grzegorz*

### Thematic Keynote Lecture

12h00

**2014|Failure behavior of a sandwich beam with GLARE face-sheets and aluminum foam core under three-point bending**

*Zhang, Jianxun*

### Methods- Modeling and Simulations

12h30

**1049|Structural analyses of vertical settlements of masonry structures for structural health monitoring**

*Belliazzi, Stefano; Fabbrocino, Francesco; Lignola, Gian Piero*

12h45

**1051|Effect of processing conditions on the tensile properties of PLA/Jute fabric laminates: Experimental and numerical analysis**

*Russo, Pietro; Dib, Antoine; Fabbrocino, Francesco; Fantuzzi, Nicholas*

13h00

**1052|Torsional behaviour of FG nanobeams on nanofoundations**

*Barretta, Raffaele; Luciano, Raimondo; Marotti de Sciarra, Francesco; Vaccaro, Marzia Sara*

13h15

**1055|Safety assessment of masonry arches reinforced with fiber-reinforced composite materials**

*Alecci, Valerio; Galassi, Stefano; Mistretta, Fausto; De Stefano, Mario; Stipo, Gianfranco*

— Break —

**Thursday, September 21 (Afternoon)**

**Room A**

*Session Chair: Patrizia Trovalusci*

*Session Chair: Seong Su Kim*

### **Thematic Keynote Lecture**

14h30

**2005|Computational modeling of biomimetic seismic metaisolators**

*Fraternali, Fernando*

### **Methods- Modeling and Simulations**

15h00

**1041|Application of Non-Classical Micropolar Elasticity for Modeling and Analysis of Porous GBR Mesh Structures**

*Rezaei, AbdolMajid; Izadi, Razie; Tuna, Meral; Fantuzzi, Nicholas*

15h15

**1023|Computational morphogenesis of spatial green structures by structural optimization for the promotion of sustainable development and reduction of climate change impacts**

*Abidi, Imene; Biagio, Carboni; Trovalusci, Patrizia; Fantuzzi, Nicholas; Pingaro, Marco*

15h30

**1004|Delaunay-triangulation-based transverse permeability prediction of continuous fiber reinforced composites with electric circuit analogy**

*Jo, Hyeonseong; Kim, Seong Su*

15h45

**1002|Computational modeling of biomimetic seismic metaisolators**

*Adinolfi, Valentina; Qaderi, Saeedeh; Germano, Giovanni; de Castro Motta, Julia; Benzoni, Gianmario; Amendola, Ada; Ruzzene, Massimo; Fraternali, Fernando*

16h00

**1010|Experimental testing and numerical modelling of impacts in interpenetrated composite**

*Postek, Eligiusz; Pietras, Daniel; Guhathakurta, J.; Kruszka, Leopold; Grązka, Michał; Sadowski, Tomasz*

16h15

**1057|Application of Selected Imaging Techniques in Static and Dynamic Testing of Ceramic Foam Composites**

*Kneć, M.; Sadowski, Tomasz; Budka, M.*

### **Applications- Aerospace Engineering**

16h30

**1086|Mechanical analysis of an carbon fiber composite woven composite laminate for ultra-light applications in aeronautics**

*Agnelli, Jacopo; Babamohammadi, Sajjad; Dib, Antoine; Benedetti, David; Campigli, Silvio; Fantuzzi, Nicholas*

— End of the day —

Thursday, September 21 (Early-Morning)

Room B

*Session Chair: Daniela Scorza*

*Session Chair: Nicholas Fantuzzi*

**Thematic Keynote Lecture**

09h30

**2010|Nano-Scale Mechanical Systems: Recent Trends in Nano-Structural Mechanics**

*Luciano, Raimondo*

**Special Session- Micro and nano-mechanics of smart materials and advanced structures (chaired by Francesco Fabbrocino, Paolo Lonetti and Luca Lanzoni)**

10h00

**1005|VERIFICATION OF A NONLOCAL ANALYTICAL MODEL FOR CRACKED NANOBEAMS UNDER MODE I STATIC LOADING SIMULATION**

*Scorza, Daniela; Luciano, Raimondo; Ronchei, Camilla; Vantadori, Sabrina; Zanichelli, Andrea*

10h15

**1050|Non-linear analysis of reinforced concrete cross-sections with dimensionless closed form solution**

*Belliazzi, Stefano; Cosenza, Edoardo; Lignola, Gian Piero; Fabbrocino, Francesco*

10h30

**1092|Poroelastic vibrations of double microbeam systems connected via an elastic layer**

*Sibtain, Moaz; Ong, Oscar ZS; Ghayesh, Mergen*

10h45

**1059|SnO<sub>2</sub> dispersed sulfonated polyether ether ketone composite membrane for vanadium redox flow battery**

*Kaur, Amanpreet; Lim, Jun Woo*

— Break —



**Thursday, September 21 (Mid-Morning)**

**Room B**

*Session Chair: Francesco Fabbrocino*

*Session Chair: Gianpiero Lignola*

**Thematic Keynote Lecture**

11h30

**2006|Recent advances about homogenization problems for porous solids**

*Lanzoni, Luca*

**Thematic Keynote Lecture**

12h00

**2004|Multiphysics Modelling and Simulations: Advancements, Challenges, and Applications**

*El Hachemi, Mohamed*

**Special Session- Micro and nano-mechanics of smart materials and advanced structures (chaired by Francesco Fabbrocino, Paolo Lonetti and Luca Lanzoni)**

12h30

**1038|Assessment of Mechanical Properties by Massive Nanoindentation of Interpenetrated Composites AlSi12/SiC**

*Sadowski, Tomasz; Łosiewicz, Kamil*

12h45

**1085|Modelling of polycrystal materials with different symmetry class as discrete and continuum systems**

*Colatosti, Marco; Trovalusci, Patrizia; Fantuzzi, Nicholas; Luciano, Raimondo*

13h00

**1014|Nanomechanics of graphene under large elastic deformations**

*Pellicciari, Matteo; Lanzoni, Luca; Tarantino, Angelo Marcello*

13h15

**1018|Analytical modelling of inflated circular membranes in nonlinear elasticity**

*Sirotti, Stefano; Pellicciari, Matteo; Tarantino, Angelo Marcello*

— **Break** —

Thursday, September 21 (Afternoon)

Room B

Session Chair: Nicholas Fantuzzi

Session Chair: Raffaele Barretta

### Thematic Keynote Lecture

14h30

**2012|Sustainable and Multifunctional Smart Materials in engineering applications: the role of ecodesign**

*Nanni, Francesca*

**Special Session- Micro and nano-mechanics of smart materials and advanced structures (chaired by Francesco Fabbrocino, Paolo Lonetti and Luca Lanzoni)**

15h00

**1087|An efficient FE strategy based on the moving mesh technique for simulating crack growth inside nano-enhanced fiber-reinforced concrete structures**

*Ammendolea Domenico; Greco, Fabrizio; Leonetti, Lorenzo; Pascuzzo, Arturo*

15h15

**1046|Experiments and micromechanical modeling of the electromechanical properties of carbon nanotube/high performance concrete**

*Feo, Luciano; Lambiase, Annavirginia; Lovisi, Giuseppe; Penna, Rosa*

15h30

**1089|An advanced fracture model based on the cohesive crack approach and moving mesh technique for failure analysis of quasi-brittle materials**

*De Maio, Umberto; Greco, Fabrizio; Luciano, Raimondo; Nevone Blasi, Paolo; Sgambitterra, Girolamo; Pranno, Andrea*

15h45

**1048|Vulnerability of arches under various settlements**

*Fabbrocino, Francesco; Ramaglia, Giancarlo; Lignola, Gian Piero; Cosenza, Edoardo*

16h00

**1095|Fracture behaviour of 3D-printed PLA: numerical approaches and statistical analysis of process parameters.**

*Paleari, Lorenzo; Bragaglia, Mario; Cecchini, Federico; Ferrara, Miriam; Rinaldi, Marianna; Nanni, Francesca*

### Methods- High performance computing, Algorithms and Programming languages

16h15

**1094|Dynamic Instability analysis of Graphene-Platelet-Reinforced Composite micro-plate with inclined part-through crack embedded on a viscoelastic foundation**

*Qaderi, Saeedeh; Ghadiri, Majid; Najafi, Mohammad; Fantuzzi, Nicholas*

16h30

**1090|The Effect of Depth's Inclusions on Vibration Attenuation while Using Seismic Metamaterial**

*Ouakka, Slimane; Verlinden, Olivier; Kouroussis, Georges*

— End of the day —

**Friday, September 22 (Early-Morning)**

**Room A**

*Session Chair: Francesco Ascione*

*Session Chair: Gian Piero Lignola*

**Thematic Keynote Lecture**

09h30

**2002|Deployable Flexible Composite Structures**

*Bai, Jiang-Bo*

**Applications- Civil and Environmental Engineering**

10h00

**1043|An efficient structural reliability analysis method coupling conjugate first-order reliability method and active Kriging algorithm**

*Luo, Changqi; Zhu, Shun-Peng; Niu, Xiaopeng*

10h15

**1028|Finite Element Modeling of the Mechanical Response of FRCM Strengthened RC Columns Exposed to Fire**

*Talo, Reem; Abed, Farid*

10h30

**1044|Numerical and analytical modelling of novel moment-resisting connections for FRP structures**

*Ascione, Francesco; D'Aniello, Mario*

10h45

**1082|Sustainable reuse of construction and demolition waste: an experimental campaign supporting the circular economy**

*Bacciocchi, Michele*

— **Break** —

**Friday, September 22 (Mid-Morning)**

**Room A**

*Session Chair: Gian Piero Lignola*

*Session Chair: Andrea Murari*

**Thematic Keynote Lecture**

11h30

**2007|Understanding the non-shock ignition of polymer-bonded explosives at the macro-microscopic continuum scale**

*Liu, Rui*

**Thematic Keynote Lecture**

12h00

**2003|Seismic response analysis of irregular building structures**

*De Stefano, Mario*

**Applications- Civil and Environmental Engineering**

12h30

**1093|Numerical Simulation of the Mechanical Behaviour of a Vertical Shaft for Underground Hydrogen Storage**

*Leong, Chee Min; Ghayesh, Mergen H.; Nathan, Graham J.; Salmachi, Alireza*

12h45

**1081|Machine Learning forecast analysis and modelling of the water monitoring system**

*Fabbrocino, Francesco; Manna, Luigi; Fratello, Reberto; Masia, Martino; Palombo, Alessandro; Tortorici, Patrizia; Popolo, Valentina*

13h00

**1026|Numerical analyses of permissible preload for bolts embedded in softwood and their tightening torque estimation**

*Kawecki, Bartosz*

13h15

**1088|On the role of the validation checks in the prevention of construction defects: evidences and possible solutions**

*Sassu, Mauro; Puppino, Mario Lucio; Doveri, Fabio; Ferrini, Martina*

— **Break** —

**Friday, September 22 (Afternoon)**

**Room A**

*Session Chair: Domagoj Lanc*

*Session Chair: Victor Eremeyev*

### **Methods- Modeling and Simulations**

14h30

**1019|Shear deformable beam model for stability analysis of laminated beam-type structures**

*Banić, Damjan; Turkalj, Goran; Lanc, Domagoj; Kvaternik Simonetti, Sandra*

14h45

**1017|Prediction of Critical Buckling Load on Open Cross-Section Columns of flax/PLA Green Composites**

*Wang, Liu J.; Puerta-Hueso, Sergio; Pedroche, David; Santiuste, Carlos*

15h00

**1024|Beam model for thermal buckling analysis of thin-walled functionally graded open section beams**

*Kvaternik Simonetti, Sandra; Lanc, Domagoj; Turkalj, Goran; Banić, Damjan*

15h15

**1032|Effect of mechanical property degradation of the biodegradable composite bone plate on the fracture healing**

*Jiale-Che; Ho-Seok Lee; Seung-Hwan Chang*

15h30

**1034|Concurrent topology and anisotropy optimisation of variable-stiffness composite structures**

*Zerrouq, Salah-eddine; Montemurro, Marco; Mas, Alexandre*

15h45

**1039|Waves in elastic networks with rigid massive joints modelled within micropolar elasticity**

*Eremeyev, Victor A.; Reccia, Emanuele; Aizikovich, Sergey M.; Cazzani, Antonio M.*

16h00

**1040|A Physics-Informed Neural Network Approach for Stress Analysis of Imperfect Functionally Graded Porous Plates Based on Refined Zigzag Theory**

*Aydogan, Gokay; Ermis, Merve; Dorduncu, Mehmet*

### **Applications- Biology, Medicine and Epidemiology**

16h15

**1027|Investigating the Effects of Environmental Conditions on COVID-19 in Italy**

*Gelfusa, Claudio; Murari, Andrea; Gelfusa, Michela; Rossi, Riccardo*

### **Methods- High performance computing, Algorithms and Programming languages**

16h30

**1097|Exact closed form solution of the elastoplastic constitutive problem in three-dimensional continua**

*De Angelis, Fabio; Taylor, Robert L.*

— End of the Conference —

**Friday, September 22 (Early-Morning)**

**Room B**

*Session Chair: Marco Montemurro*

*Session Chair: Gianluigi Rozza*

### **Thematic Keynote Lecture**

09h30

**2008|An overview of the influence of properties' uncertainty on variable stiffness composites' behaviour**

*Loja, Amélia*

### **Applications- Aerospace Engineering**

10h00

**1056|Improving the Bird Strike Resistance of UAV Vertical Tail using Composite filament and an Additive Manufacturing-based design**

*Battaglia, Miriam; Acanfora, Valerio; Garofano, Antonio; Riccio, Aniello*

10h15

**1016|A numerical-asymptotic framework based on the ps-FEM for the analysis of laminated shells**

*Yan, Cheng Angelo; Vescovini, Riccardo*

10h30

**1045|The influence of non-uniform cross-sectional properties in non-prismatic components of wind turbines**

*Migliaccio Giovanni; D'Annibale Francesco*

### **Applications- Transportation**

10h45

**1053|Evaluation of the Structural Integrity of Hyperloop Carbody made of a Composite Lattice Structure**

*Han, GwanHee; Shin KwangBok; Cheon, DaeHan; Kim, JungSeok; Lee, ChangYoung*

— **Break** —

**Friday, September 22 (Mid-Morning)**

**Room B**

*Session Chair: Tomasz Kubiak*

*Session Chair: Xiao-Wei Gao*

**Thematic Keynote Lecture**

11h30

**2013|Mesh Reduction Methods in Fracture Mechanics: Applications to dissimilar materials containing interfacial cracks under singular loading sources**

*Pavlou, Dimitrios*

**Thematic Keynote Lecture**

12h00

**2011|A topology optimisation algorithm based on non-uniform rational basis spline hyper-surfaces: recent developments and new challenges**

*Montemurro, Marco*

**Methods- High performance computing, Algorithms and Programming languages**

12h30

**1007|Arbitrarily High-Order Triangular and Tetrahedral Elements for Zonal Free Element Method and Applications in Thermal Stress Analysis of Composite Structures**

*Gao, Xiao-Wei*

12h45

**1001|Effect of extension-bending coupling matrix on non-bifurcation behavior of composite plates under compression**

*Bohlooly Fotovat, Mehdi; Kubiak, Tomasz*

13h00

**1084|An XFEM model for static crack growth in elastic micropolar medium**

*Tuna, Meral; Fantuzzi, Nicholas; Trovalusci, Patrizia; Pingaro, Marco*

13h15

**1083|A finite element model for arbitrarily shaped laminated plates in gradient elasticity**

*Bacciocchi, Michele; Fantuzzi, Nicholas; Neves, Ana M.A.; Ferreira, Antonio J.M.*

— **Break** —

**Friday, September 22 (Afternoon)**

**Room B**

*Session Chair: Andrea Murari*

*Session Chair: Nicholas Fantuzzi*

### **Applications- Physics and Material science**

14h30

**1042|The ignition-afterburn responses of polymer-bonded explosives under impact loading**

*Wang, Yiming; Liu, Rui; Nie, Jianxin; Chen, Pengwan*

14h45

**1031|Multi-stage homogenisation of elastic properties of consolidated unidirectional tapes accounting for process specificities**

*Campos, Rubén; Chazeau, Thomas; Catapano, Anita; Montemurro, Marco*

### **Special Session- Data Science for the identification and control of thermonuclear plasmas (chaired by A Murari, R Rossi)**

15h00

**1025|Identification of tokamak plasmas for reliable control: a personal view**

*Murari, Andrea*

15h15

**1030|On the use of Physics-Informed Neural Networks in Nuclear Fusion Inversion Problem**

*Wyss, Ivan; Gaudio, Pasqualino; Gelfusa, Michela; Murari, Andrea; Peluso, Emmanuele; Rossi, Riccardo*

15h30

**1011|Advanced Indicators to Detect Regime Changes in the Dynamics of Thermonuclear Plasmas**

*Craciunescu, Teddy; Murari, Andrea*

15h45

**1021|Real-time prediction of disruptive events in nuclear fusion devices by means of privileged information**

*Vega, Jesús; Dormido-Canto, Sebastián; Murari, Andrea; Fernández, José Daniel*

16h00

**1029|Detection and Identification of Plasma Anomalies combining Physics and Data-Driven Machine Learning for Avoidance, Prevention and Mitigation of Disruptions**

*Rossi, Riccardo; Murari, Andrea; Gelfusa, Michela; JET Contributors*

### **Methods- Data Science and Data analysis**

16h15

**1022|Identification of degradation in composite materials using machine learning algorithms and acoustic emission**

*Smolnicki, Michał; Lesiuk, Grzegorz; Duda, Szymon; Stabla, Paweł; Zielonka, Paweł*

16h30

**1096|Parameter identification for data-driven inverse problems from full-field and sparse observations**

*Bai, Xiaowei; Fantuzzi, Nicholas; Hu, Heng*

— End of the Conference —



## File Repository

**1006|Enhancing the Mechanical and Thermal Properties of Polyamide 66 Composites using Micro-Nano Waste Powders of Tungsten Carbide and Nichrome 80/20**

*Cetintav, Isik; Ceviz, Mehmet*

**1008|Composite Structural Integrity Evaluation Based on Digital Image Correlation together with Peridynamics and Finite Element Updating**

*Vaitkunas, Tomas; Swarup, Mahato; Griskevicius, Paulius; Jasuniene, Elena; Spakauskas, Kestutis*

**1013|Large deformation analysis of a modified hyperelastic Timoshenko-Ehrenfest beam under loads**

*Żur, Krzysztof Kamil; Firouzi, Nasser; Rabczuk, Timon; Zhuang, Xiaoying*

**1015|Campbell diagrams, vibration and stability zones of carbon-based spinning shafts**

*Żur, Krzysztof Kamil; Asadi, Neda; Arvin, Hadi*

**1091|Effects of Curvature and Multiple Stenosis on the Biomechanics of Coronary Arteries**

*Ju, Yaofeng; Ghayesh, Mergen H.; Tansu, Nelson; Zander, Anthony; Psalitis, Peter J.*



# Author Index

- Abed, Farid, 9  
Abidi, Imene, 5  
Acanfora, Valerio, 12  
Adinolfi, Valentina, 5  
Agnelli, Jacopo, 5  
Aizikovich, Sergey M., 11  
Alecci, Valerio, 4  
Amendola, Ada, 5  
Ammendolea Domenico, 8  
Arvin, Hadi, 15  
Asadi, Neda, 15  
Ascione, Francesco, 9  
Aydogan, Gokay, 11
- Babamohammadi, Sajjad, 5  
Bacciocchi, Michele, 9, 13  
Bai, Jiang-Bo, 9  
Bai, Xiaowei, 14  
Banić, Damjan, 11  
Barretta, Raffaele, 4  
Battaglia, Miriam, 12  
Belliazzi, Stefano, 4, 6  
Benedetti, David, 5  
Benzoni, Gianmario, 5  
Biagio, Carboni, 5  
Bohlooly Fotovat, Mehdi, 13  
Bragaglia, Mario, 8  
Budka, M., 5
- Campigli, Silvio, 5  
Campos, Rubén, 14  
Carrera, Erasmo, 3  
Catapano, Anita, 14  
Cazzani, Antonio M., 11  
Cecchini, Federico, 8  
Cetintav, Isik, 15  
Ceviz, Mehmet, 15  
Chazeau, Thomas, 14  
Chen, Pengwan, 14  
Chen, Xiao, 3  
Cheon, DaeHan, 12  
Chiaia, Piero, 3  
Cinefra, Maria, 3  
Colao, Annamaria, 2
- Colatosti, Marco, 7  
Cosenza, Edoardo, 6, 8  
Craciunescu, Teddy, 14
- D’Aniello, Mario, 9  
D’Annibale Francesco, 12  
De Angelis, Fabio, 11  
de Castro Motta, Julia, 5  
De Maio, Umberto, 8  
De Stefano, Mario, 4, 10  
Dib, Antoine, 4, 5  
Dorduncu, Mehmet, 11  
Dormido-Canto, Sebastián, 14  
Doveri, Fabio, 10  
Duda, Szymon, 14
- El Hachemi, Mohamed, 7  
Eremeyev, Victor A., 11  
Ermis, Merve, 11  
Esposito De Falco, Salvatore, 2
- Fabbrocino, Francesco, 4, 6, 8, 10  
Fantuzzi, Nicholas, 4, 5, 7, 8, 13, 14  
Feo, Luciano, 8  
Fernández, José Daniel, 14  
Ferrara, Miriam, 8  
Ferreira, Antonio J.M., 13  
Ferrini, Martina, 10  
Firouzi, Nasser, 15  
Fratello, Reberto, 10  
Fraternali, Fernando, 5
- Galassi, Stefano, 4  
Gambardella, Carmine, 2  
Gao, Xiao-Wei, 13  
Garofano, Antonio, 12  
Gaudio, Pasqualino, 14  
Gelfusa, Claudio, 11  
Gelfusa, Michela, 11, 14  
Germano, Giovanni, 5  
Ghadiri, Majid, 8  
Ghayesh, Mergen, 6  
Ghayesh, Mergen H., 10, 15  
Giunta, Gaetano, 3  
Greco, Fabrizio, 8

Griskevicius, Paulius, 15  
 Grązka, Michał, 5  
 Guhathakurta, J., 5  
  
 Han, GwanHee, 12  
 Ho-Seok Lee, 11  
 Hu, Heng, 14  
  
 Iannotta, Domenico A., 3  
 Izadi, Razie, 5  
  
 Jasuniene, Elena, 15  
 JET Contributors, 14  
 Jiale-Che, 11  
 Jo, Hyeonseong, 5  
 Ju, Yaofeng, 15  
  
 Kaur, Amanpreet, 6  
 Kawecki, Bartosz, 10  
 Kim, JungSeok, 12  
 Kim, Seong Su, 5  
 Kneć, M., 5  
 Kouroussis, Georges, 8  
 Kruszka, Leopold, 5  
 Kubiak, Tomasz, 13  
 Kvaternik Simonetti, Sandra, 11  
  
 Lambiase, Annavirginia, 8  
 Lanc, Domagoj, 11  
 Lanzoni, Luca, 7  
 Lee, ChangYoung, 12  
 Leonetti, Lorenzo, 8  
 Leong, Chee Min, 10  
 Lesiuk, Grzegorz, 4, 14  
 Lignola, Gian Piero, 4, 6, 8  
 Lim, Jun Woo, 6  
 Liu, Rui, 10, 14  
 Loja, Amélia, 12  
 Lovisi, Giuseppe, 8  
 Luciano, Raimondo, 4, 6–8  
 Luo, Changqi, 9  
  
 Manna, Luigi, 10  
 Marotti de Sciarra, Francesco, 4  
 Mas, Alexandre, 11  
 Masia, Martino, 10  
 Migliaccio Giovanni, 12  
 Mistretta, Fausto, 4  
 Montemurro, Marco, 3, 11, 13, 14  
 Murari, Andrea, 11, 14  
  
 Najafi, Mohammad, 8  
 Nanni, Francesca, 8  
 Nathan, Graham J., 10  
 Neves, Ana M.A., 13  
 Nevone Blasi, Paolo, 8  
  
 Nicolais, Luigi, 2  
 Nie, Jianxin, 14  
 Niu, Xiaopeng, 9  
  
 Ong, Oscar ZS, 6  
 Ouakka, Slimane, 8  
  
 Pagani, Alfonso, 3  
 Paleari, Lorenzo, 8  
 Palombo, Alessandro, 10  
 Pascuzzo, Arturo, 8  
 Pavlou, Dimitrios, 13  
 Pedroche, David, 11  
 Pelliciani, Matteo, 7  
 Peluso, Emmanuele, 14  
 Penna, Rosa, 8  
 Pietras, Daniel, 5  
 Pingaro, Marco, 5, 13  
 Popolo, Valentina, 10  
 Postek, Eligiusz, 5  
 Pranno, Andrea, 8  
 Psalitis, Peter J., 15  
 Puerta-Hueso, Sergio, 11  
 Puppio, Mario Lucio, 10  
  
 Qaderi, Saeedeh, 5, 8  
  
 Rabczuk, Timon, 15  
 Ramaglia, Giancarlo, 8  
 Reccia, Emanuele, 11  
 Rezaei, AbdolMajid, 5  
 Riccio, Aniello, 12  
 Rinaldi, Marianna, 8  
 Ronchei, Camilla, 6  
 Rossi, Riccardo, 11, 14  
 Rozza, Gianluigi, 3  
 Russo, Pietro, 4  
 Ruzzene, Massimo, 5  
  
 Sadowski, Tomas, 5  
 Sadowski, Tomasz, 5, 7  
 Salmachi, Alireza, 10  
 Santiuste, Carlos, 11  
 Sassu, Mauro, 10  
 Scorza, Daniela, 6  
 Seung-Hwan Chang, 11  
 Sgambitterra, Girolamo, 8  
 Shin KwangBok, 12  
 Sibtain, Moaz, 6  
 Sirotti, Stefano, 7  
 Smolnicki, Michał, 14  
 Spakauskas, Kestutis, 15  
 Stabla, Paweł, 14  
 Stipo, Gianfranco, 4  
 Swarup, Mahato, 15

Talo, Reem, 9  
Tansu, Nelson, 15  
Tarantino, Angelo Marcello, 7  
Taylor, Robert L., 11  
Tortorici, Patrizia, 10  
Trovalusci, Patrizia, 5, 7, 13  
Tuna, Meral, 5, 13  
Turkalj, Goran, 11  
  
Urso, Elisabetta, 3  
  
Vaccaro, Marzia Sara, 4  
Vaitkunas, Tomas, 15  
Vantadori, Sabrina, 6  
Vega, Jesús, 14  
Ventre, Giorgio, 2  
Verlinden, Olivier, 8

Vescovini, Riccardo, 12  
  
Wang, Liu J., 11  
Wang, Yiming, 14  
Wyss, Ivan, 14  
  
Yan, Cheng Angelo, 12  
  
Zander, Anthony, 15  
Zanichelli, Andrea, 6  
Zerrouq, Salah-eddine, 3, 11  
Zhang, Jianxun, 4  
Zhu, Shun-Peng, 9  
Zhuang, Xiaoying, 15  
Zielonka, Paweł, 14  
  
Łosiewicz, Kamil, 7  
Żur, Krzysztof Kamil, 15