

Preface: NANOINNOVATION 2019

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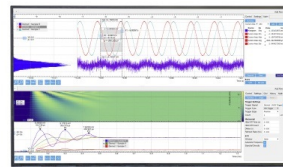
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PREFACE: NANOINNOVATION 2019

In the scenario of conferences on nanosciences and nanotechnologies, *NanoInnovation - Conference and Exhibition* is nowadays a well-established event. The fourth edition, held from 11th to 14th June 2019 in Renaissance Cloister by Giuliano da Sangallo of the Faculty of Civil and Industrial Engineering of SAPIENZA University of Rome (Italy), was an impressive experience, with more than 1200 registered participants, 400 speakers and chairs, 29 co-organizers, 28 exhibitors, 2 opening sessions, 2 plenary sessions, 46 technical thematic symposia, 3 poster sessions, 3 prizes, 5 multi-sessions workshops, 3 satellite events, 1 round table, 5 joint events, 96 B2B meetings, and a delegation coming from Iran, Israel, Poland, Russia and South Korea. The organization has been supported by the most important Italian research and technology Institutions, while the main Industries operating in the field of nanotechnology contributed as exhibitors and coordinators of some thematic sessions.

The knowledge and expertise of speakers and exhibitors promoted fruitful discussions and sharing ideas among the participants, making *NanoInnovation 2019 - Conference and Exhibition* an extremely interactive meeting. The presence of contributors from both academia and industry promoted the development of an integrated, dynamic and cooperating community involved in micro and nanotechnologies. We do believe that such synergistic collaboration is the *conditio sine qua non* to have significant advances in the field, with the final aim to improve the human everyday life.

The present issue of AIP Conference Proceedings is a collection of papers based on selected contributions presented during *NanoInnovation 2019 - Conference and Exhibition*. Ranging from fundamental to applied research, from computational studies to synthesis, characterization and usage of nano-systems, the published contributions covers part of the topics addressed during the conference, giving to the readers an update and future perspective on the nano world.

The Editors are grateful to all the Authors for their valuable contributions and to the Reviewers for their professional support, carefulness and patience.

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