

European Workshop "Nonlinear Maps and Applications" – 2017, Nizhni Novgorod, Russia

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Regular European Workshops "Nonlinear Maps and Applications" (NOMA) are held biannually in those European Universities where successful researchers in the area of nonlinear maps and their applications work.

In far 1973 year French scientist Christian Mira organized Colloquium "Point Mappings and Applications" in the University of Toulouse, where he worked. According to Christian Mira, his mathematical preferences were formed under the influence of works of the founder of the Nizhni Novgorod nonlinear oscillations school A.A. Andronov.

The idea of the regular European Workshops "Nonlinear Maps and Applications" belongs to French scientist D.Fournier-Prunaret and Japanese scientists T.Ueta, Y.Nishio. The first Conference NOMA was held in Toulouse in 2007. The following Conferences were held in Urbino (2009), Evora (2011), Zaragoza (2013) and Dublin (2015).

In 2017 the Steklov Mathematical Institute of the Russian Academy of Sciences and the Institute of Information Technologies, Mathematics and Mechanics of the National Research Nizhni Novgorod State University took up the torch to hold the 6-th European Workshop NOMA-2017.

50 participants of the Conference NOMA-2017 from France, Japan, Mexico, Poland, Portugal, Russia and Spain presented their results at the Sections "Topological and Differential Dynamics", "Ergodic Theory and Dynamical Systems", "Applications of Nonlinear Maps". All participants could listen 7 invited lectures and 4 plenary lectures on the contemporary problems of the theory of nonlinear maps and their applications.

In this Issue of JPCS we publish papers by the participants on the topics in the framework of 3 Sections of the Conference.

The Editors would like to thank all Conference Participants, Committees for their valuable contribution, as well as Reviewers for their time and expertise to review the works presented for this volume.

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