First Circular for the International Workshop on Nonlinear Energy Localization in Crystals and Related Media Kyoto, JAPAN 2-3 December 2016

Scope

In this workshop, theoretical, numerical and experimental problems on nonlinear energy localization called discrete breather (DB)/intrinsic localized mode (ILM) in materials and related discrete structures are discussed. The topics focused in the workshop are:

- Basic theory of DB in mathematical models
- Molecular dynamics simulations of DB's dynamics in crystals
- DB in optical physics
- Observation of DB in experiment
- Thermal transport in nonlinear discrete systems
- Nonlinear dynamics in metamaterials and MEMS

Organizers

Doi, Yusuke, Osaka University, Japan Kimura, Masayuki, Kyoto University, Japan

Invited Speakers

Dmitirev, Sergey V., Russian Academy of Science, Russia Eilbeck, J. Chris, Heriot-Watt University, UK Xiong, Daxing, Fuzhou University, China Yasuda, Hiromi, Washington University, USA

Abstract Submission

All the speakers who want to give a presentation in the workshop are required to submit a one-page abstract including title, authors, affiliation and e-mail address to the organizing committee (nelc2016@nld.ams.eng.osaka-u.ac.jp) no later than **31th July 2016**. The organizing committee will notify as soon as possible to whether the abstract have been accepted.

Sponsors

Toyota Physical and Chemical Research Institute (Specially Promoted Project "Study on noble condensed matter theory based on nonlinear energy transportation") The Kyoto University Foundation

Web site

http://www.nld.ams.eng.osaka-u.ac.jp/nelc2016/index.html