



Okama, the symbol of Zao
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International Symposium on Hybrid Quantum Systems 2017 (HQS2017)

Sep. 10-13, 2017, Miyagi-Zao, Japan

■ About the Conference

International Symposium on Hybrid Quantum Systems 2017 (HQS2017) will be held in Miyagi-Zao, Japan, from Sep. 10 (Sun) through Sep. 13 (Wed), 2017. HQS2017 is a forum for discussions on recent progress in science of hybrid quantum systems. Hybridization of various quantum systems is a key to coherently control complex quantum properties and will allow us to obtain novel properties needed for new quantum enhanced technologies for signal processing, communication, metrology, etc. HQS2017 is supported by the MEXT KAKENHI on Innovative Areas "Science of hybrid quantum systems" (<http://quant-trans.org/hybridqs/en/>).

■ Conference Topics

- Coherent phenomena in solids
- Quantum information processing
- Charge and spin physics in nanostructures
- Spintronic materials and devices
- Optical properties of nanostructures
- Photonic nanostructures
- NV centers in diamonds
- Phononic nanostructures
- MEMS/NEMS and novel mechanical effects
- Novel materials for hybrid quantum systems
- Nanocarbon and 2D materials
- Topological insulators and superconductors
- Quantum metrology
- Quantum functional devices

■ Venue

HQS2017 will be held at Miyagi-Zao Royal Hotel (<http://www.daiwaresort.jp/en/zaou/index.html/>), Miyagi, Japan.

■ Committee

Organizing Committee

general chair: Yoshiro Hirayama (Tohoku Univ.)
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Wataru Izumida (Tohoku Univ.)
Akinobu Kanda (Tsukuba Univ.)
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Hideo Kosaka (Yokohama Nat. Univ.)

Shinji Kuroda (Tsukuba Univ.)
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Nobuya Mori (Osaka Univ.)
Mio Murao (Univ. Tokyo)
Yutaka Ohno (Nagoya Univ.)
Yoshiro Takahashi (Kyoto Univ.)
Hitoshi Tabata (Univ. Tokyo)
Takehiko Tawara (NTT)
Shun Yamamoto (Osaka Univ.)

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■ Correspondence

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Science of Hybrid
Quantum Systems

