

## **New schedule**

# **2020 OIST Workshop “Quantum Math, Singularities and Applications”**

**Organizers:** Shihoko Ishii (Tsinghua University/Univ. Tokyo)  
Yasuyuki Kawahigashi (The University of Tokyo)  
Shinobu Hikami ( OIST)

## **Workshop title:**

**Quantum Math, Singularities and Applications**

**Venue:** Lab4 E48 and conference center

**Dates:** 2/8-2/12, (2/7 check in, 2/13 check out), 2021

**Lodging on site:** The Peridot Hotel

**Remote: Zoom**

## **List of invited talkers**

- 1) Shihoko Ishii (Tsinghua Univ. /Univ. Tokyo, Organizer)
- 2) Lawrence Ein (University of Illinois at Chicago)
- 3) Kei-ichi Watanabe (Nihon University)
- 4) Yasuyuki Kawahigashi (The University of Tokyo, Organizer)
- 5) Vladimir Dotsenko (Univ. Strasbourg)
- 6) Benoit Collins (Kyoto Univ.)
- 7) Shunsuke Takagi (The University of Tokyo)
- 8) Kohsuke Shibata (The University of Tokyo)
- 9) Takehiko Yasuda (Tohoku University)
- 10) Zhenghan Wang (Microsoft Station Q)
- 11) Kyoji Saito (Kyoto Univ. RIMS)
- 12) Shinobu Hikami (OIST, Organizer)
- 13) Masahiko Yoshinaga (Hokkaido University)
- 14) Terry Gannon (University of Alberta)
- 15) Motoko Kato (Ehime Univ.)
- 16) Makiko Mase (Mannheim Univ.)
- 17) Mayuko Yamashita (Kyoto Univ. RIMS)

18) Yoshinori Okada (OIST)

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**Conference description:**

This conference of quantum mathematics and singularity includes subjects in new developments of the singularity theories and the conformal field theory. The followings are key words: two or three dimensional normal singularities, arc space and jet scheme, moduli space and operad, noncommutative geometry, conformal bootstrap and super conformal field theory. The topological materials of condensed matter physics need rigorous mathematical classifications, which will be one of applications.