

# Program of JCF18 Meeting

Japan CF-Research Society

Date; November 24-25, 2017  
Place; Mikamine Hall, Research Center for Electron Photon Science,  
Tohoku University, Sendai, Japan  
Presentation; Oral presentation 25 min. + Discussion 5 min.  
Language; English or Japanese  
Abstract Book; Only available at JCF home page (<http://jcfrs.org/>)

## November 24 (Fri), 2017

12:00-13:00 **Registration**

13:00-13:10 **Opening Address** Y. Iwamura (Tohoku University)

*Session 1* *Chairman; K. Tsuchiya (NIT, Tokyo)*

13:10-13:40 **JCF18\_01** K. Tanabe et al. (Kyoto U.)  
Direct Joule Heating of D-Loaded Pd Plates in Vacuum

13:40-14:10 **JCF18\_02** Y. Sato et al. (Iwate U.)  
Deuterium desorption experiments using Pd-Zr and Pd-Ni-Zr multi-layered samples

14:10-14:40 **JCF18\_03** H. Numata  
Search for characteristic microstructure of Pd rod formed during repeated cathodic and anodic electrolysis

14:40-15:00 **Break**

*Session 2* *Chairman; S. Narita (Iwate U.)*

15:00-15:30 **JCF18\_04** A. Kitamura et al. (Technova Inc.)  
Comparison of excess heat evolution from zirconia-supported Pd-Ni nanocomposite samples with different Pd/Ni ratio under exposure to hydrogen isotope gases

15:30-16:00 **JCF18\_05** Y. Iwamura et al. (Tohoku U.)  
Reproducibility on Anomalous Heat Generation by Metal Nanocomposites and Hydrogen Isotope Gas

16:00-16:30 **JCF18\_06** M. Kishida et al. (Kyushu U.)  
Measurement of Anomalous Heat Generation in Hydrogen Flow by Differential Scanning Calorimetry

16:30-17:00 **JCF18\_07** T. Hioki et al. (Nagoya U.)  
In-situ XRD and XAFS Analyses for Metal Nanocomposites used in Anomalous Heat Generation Experiments

17:00-17:10 **Break**

17:10-17:30 **JCF Annual Meeting**

17:30-20:00 **Reception**

## November 25 (Sat), 2017

*Session 3* *Chairman; Y. Iwamura (Tohoku U.)*

9:30-10:00 **JCF18\_08** K. Tsuchiya (NIT, Tokyo)  
Progress of density functional methods in LENR and their problems II

10:00-10:30 **JCF18\_09** K. Tanabe (Kyoto U.)  
Theoretical Investigation of Plasmonic Field Enhancement on Planar Metal Surfaces

10:30-11:00 **JCF18\_10** K. Ooyama (Ooyama Power Inc.)  
Nuclear Fusion Mechanism in Crystal

11:00-11:15 **Break**

**Session 4** *Chairman; H. Numata*

11:15-11:45 **JCF18\_11** K. Tanabe (Kyoto U.)

Is the Heat Difference between D and H Really a Sign of Fusion?

11:45-12:15 **JCF18\_12** H. Miura

Water Clusters Related to OHMASA-GAS

12:15 **Adjourn**