

Program of JCF20 Meeting

Japan CF-Research Society

Date: December 13-14, 2019
Place: Reference Hakata Eki-Higashi Rental Room, Fukuoka, Japan
Paper presentation: Oral presentation 20 min. + Discussion 5 min.
Language: English or Japanese
Book of Abstract: Only available at JCF home page (<http://jcfrs.org/>)

December 13 (Fri), 2019

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

13:00-13:10 **Opening Address** M. Kishida (Kyushu U.)

Session-1 *Chair: S. Narita (Iwate U.)*

13:10-13:35 **JCF20-1** S. Murakami *et al.* (Clean Planet Inc.)
Excess Energy Generation Experiments using a Nano-sized Multilayer Metal Composite and Hydrogen Gas

13:35-14:00 **JCF20-2** M. Saito *et al.* (Clean Planet Inc.)
Elemental Analysis for Elucidation of the Anomalous Heat Generation Phenomena

14:00-14:25 **JCF20-3** T. Itoh *et al.* (Tohoku U.)
Low Energy Photon Measurements in Anomalous Heat Generation Experiments using Nano-sized Metal Composite and Hydrogen Gas

14:25-14:35 Break

Session-2 *Chair: K. Tsuchiya (NIT, Tokyo College)*

14:35-15:00 **JCF20-4** A. Takahashi *et al.* (Technova Inc.)
Enhancement of Excess Thermal Power in Interaction of Nano-Metal and H(D)-Gas

15:00-15:25 **JCF20-5** M. Uchimura *et al.* (Nissan Motor Corp.)
Irregular Oscillation Pattern during Heat Generation from Ni-Zr Based Alloys and Hydrogen Gas

15:25-15:50 **JCF20-6** K. Ooyama (Ooyama Power Inc.)
Start-up of Metal Crystal Confinement Fusion Reactor

15:50-16:00 Break

Session-3*Chair: M. Kishida (Kyushu U.)*

- 16:00-16:25 **JCF20-7** H. Numata
Microstructure of Pd Rod Electrode during Repeated Cathodic and Anodic Electrolysis in Glycerin-phosphoric acid: Hydrogen Electrode : $H/Pd > \beta$ min with Vacancy
- 16:25-16:50 **JCF20-8** K. Tsuchiya (NIT, Tokyo College)
A Theoretical Study on the Possible Change of the Phonon Dispersion Relation due to the Nuclear Reaction in Two-dimensional Lattice II
- 16:50-17:15 **JCF20-9** H. Miura
Computer Simulation of Transition Energy of H atoms in Cu, Ag and Au Metal Lattices
- 17:15-17:45 JCF Annual Meeting
- 18:30-20:30 Reception

December 14 (Sat), 2019**Session-4***Chair: K. Tanabe (Kyoto U.)*

- 9:30 - 9:55 **JCF20-10** Y. Satoh *et al.* (Kyushu U.)
Verification of Anomalous Heat Detected by Differential Scanning Calorimetry from Palladium-Nickel-Zirconium Alloy in Hydrogen Flow (2)
- 9:55 -10:20 **JCF20-11** M. Takeya *et al.* (Tohoku U.)
Calibration of Sendai mass-flow-calorimeter and heat measurements of recycled samples
- 10:20 -10:45 **JCF20-12** M. Endo *et al.* (Iwate U.)
Deuterium Desorption Experiment Using Surface Coated Pd Foil with Fine-structured Interface
- 10:45-11:00 Break

Session-5*Chair: Y. Iwamura (Tohoku U.)*

- 11:00-11:25 **JCF20-13** T. Kobayashi *et al.* (Waseda U.)
Development of Reaction System with Small Chamber for Fundamental Experiments Measuring Anomalous Heat Effect
- 11:25-11:50 **JCF20-14** T. Uchikoshi *et al.* (Kyoto U.)
Laser Irradiation to D-Loaded Pd
- 11:50-12:15 **JCF20-15** I. Imoto *et al.* (Kyushu U.)
Anomalous Heat in New Binary Metal System under Hydrogen Stream (2)

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