

Program of JCF23 Meeting

Japan CF-Research Society

Supported by The Thermal & Electric Energy Technology Foundation

Date: March 4 & 5, 2023
Place: Waseda University, Faculty of Science and Engineering
3-4-1 Ookubo, Shinjuku, Tokyo
Building 62W 1F. 大会議室 (Main meeting room)
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/>)

March 4 (Sat), 2023

Registration 12:00 - 13:00 at **Building 62W 1F. 大会議室 (Main meeting room)**

13:00-13:10 **Opening Address** Ken Naitoh (Waseda University)

Session-1 Chair: *T. Itoh (Tohoku University)*

13:10-13:35 **JCF23-1** Hideo Kozima (Cold Fusion Research Lab.)

The Cold Fusion Phenomenon and the ARPA-E Project 2022 of DOE: A Facet of the Sociology of Modern Science

13:35-14:00 **JCF23-2** Kazuo Ooyama (Ooyama Power Inc.)

Theory of Nuclear Fusion Chain Reactions in Metal Crystals

14:00-14:25 **JCF23-3** Kazuo Oyama (Ooyama Power Inc.)

Experiments without Nuclear Reaction

14:25-14:40 **Break**

Session-2 Chair: *M. Kishida (Kyushu University)*

14:40-15:05 **JCF23-4** Tomonori Takahashi, Takehiko Itoh, Yasuhiro Iwamura, Shinobu Yamauchi and Jirohta Kasagi (CLEAN PLANET Inc./Tohoku University)

Gas analysis by a quadrupole mass spectrometer during anomalous heat generation observed in the interaction of Ni-based nano-multilayer metal composite and hydrogen gas.

15:05-15:30 **JCF23-5** S Yamauchi, Takehiko Itoh, Yasuhiro Iwamura, Tomonori Takahashi and Jirohta Kasagi (CLEAN PLANET Inc./Tohoku University)

Elemental analysis towards the clarification of anomalous heat generation phenomena observed in the interaction of Ni- based nano-multilayer metal composite and hydrogen gas

15:30-15:55 **JCF23-6** Takehiko Itoh, Yoshinobu Shibasaki, Jirohta Kasagi Tomonori Takahashi,
Shinobu Yamauchi and Yasuhiro Iwamura (Tohoku University/CLEAN PLANET Inc.)
Photon Radiation Analysis for Heat Burst Phenomena during Hydrogen Desorption
from Nano-sized Metal composite

16:00-17:00 **JCF Annual Meeting**

March 5 (Sun), 2023

Session-3 Chair: *S. Narita (Iwate University)*

9:30-9:55 **JCF23-7** Shunji Tsuji-Iio_(Tokyo Institute of Technology)
Replication experiments on nuclear transmutation induced by deuterium permeation
through Pd/CaO multilayer film

9:55-10:20 **JCF23-8** Akito Takahashi, Masahiko Hasegawa, Yutaka Mori, Yuichi Furuyama,
Tomoya Yamauchi Masato Kanasakii (Technova, Kobe/ Kobe University)
Rising Characteristics of MHE Power with CNZ Material

10:20-10:35 **Break**

Session-3 Chair: *Y. Iwamura (Tohoku University)*

10:35-11:00 **JCF23-9** Yuta Toba, Ken Naitoh Tomotaka Kobayashi, Daiki Okada,
Ryuki Nakagawa (Waseda University)
Effects of Heat of Hydrogen Absorption and Heat of Alloy Phase Transition on
Sustained Heat Generation from Palladium-Nickel-Zirconium Alloys in Hydrogen

11:00-11:25 **JCF23-10** Tomotaka Kobayashi, Ken Naitoh, Daiki Okada, Ryuki Nakagawa,
Yuta Toba, Masaharu Uchiumi, Daisuke Nakata
(Waseda University & Muroran Institute of Technology)
Fundamental experiments of anomalous heat effect in metal composite powder
exposed to pulsed high-pressure hydrogen gas

11:25-11:50 **JCF23-11** Nagayuki Yanagidate, Tomo Nemoto, Sora Komukai, Aiko Shoji,
Shinya Narita (Iwate University)
Heat Measurement in Hydrogen Desorption Experiment Using Pd-Ni Sample

Access

休日のため、事前に参加登録済の方のみ入構できます。正門（理工学術院の南側）から入

構ください。Only persons who get permission to join JCF23 can pass the entrance gate (the main gate) on the south side of faculty of science and engineering.

東京メトロ副都心線 西早稲田駅直結 徒歩 0 分

東京メトロ東西線 早稲田駅より徒歩 22 分

都営地下鉄大江戸線・東京メトロ副都心線 東新宿駅より 15 分

JR 山手線 新大久保駅より徒歩 12 分

JR 山手線 高田馬場から徒歩 15 分 (明治通りに面している。)

<https://www.waseda.jp/top/access/nishiwaseda-campus>

