COE-INES International Workshop on
"Design and R&D of Pb-Bi Cooled Reactors" (INES-1-WS-PBFR)

Tentative (Version 11)

Date: November 8 and 9, 2004

Place: Ferrite Memorial Hall on 3F of The Centennial Hall, Tokyo Institute of Technology, Tokyo, Japan
(see http://www.libra.titech.ac.jp/cent/cent-e.html)

Registration fee: Free

Participants are requested to inform M. Takahashi(mtakahas@nr.titech.ac.jp) of their name, affiliation, and participation of party (5,000 yen) or not by October 27, 2004.

November 8, 2004

10:00-10:10 M. Takahashi (*Tokyo Tech.*), "Opening Remark" (10min)

10:10-12:00 ***LFR and HLM Technology,*** Chair M. Takahashi (*Tokyo Tech.*)

P. Hejzlar (*MIT*), "Design of Lead-Alloy Cooled Fast Reactors for Actinide Burning Mission" (50min)

Coffee Break (10min)

P. N. Martynov (*IPPE*), "Water and Hydrogen in Heavy Metal Coolant Technology" (50min)

12:00-13:30 Lunch

13:30-16:30 ***Committee for HLM Utilization Tech***

H. Sekimoto (*Tokyo Tech.*), Chair of Committee for HLM Utilization Tech., "Opening Remark" (10min)

13:40-14:20 ***Corrosion (1)***, Chair K. Aoto (*JNC*)

E. P. Loewen (*INEEL*), "Corrosion Studies in Support of Lead-Bismuth Cooled FBRs" (40min)

Coffee Break (10min)

14:30-16:30 ***Corrosion (2)***, Chair T. Kitano (*MES*)

K. Kamata (*MES*), "Pb-Bi Corrosion under Impinging Flow" (30min)

T. Furukawa, J.Konys, G.Mueller and K.Aoto (*JNC*), "Corrosion Behavior of High Chromium Alloys in Flowing LBE at 550C under Active Oxygen Control" (30min)

Y. Nishi (*CRIEPI*), "Research on the Corrosion Resistance of 12 Chrome Steels in High Temperature Lead-bismuth Eutectic under Oxygen Concentration Control" (30min)

M. Takahashi, M. Kondo (*Tokyo Tech.*), "Corrosion of Steels in Lead-Bismuth Flow" (30min)

17:30-19:30 Party (Japanese style restaurant "Iroha" at O-okayama)

November 9, 2004

10:00-12:00 ***Heat Transfer, Natural Circulation and Long-Life Reactor,*** Chair I. Kinoshita (*CRIEPI*)

P. N. Martynov (*IPPE*), "Studies on Pb-Bi-Water Direct Contact Heat Transfer in IPPE" (40min)

Zaki Su'ud (*ITB*), "The Role of Natural Circualtion Level to the Inherent Safety Performance of Pb-Bi or Pb Cooled Fast Reactors for Various Fuel Type" (40min)

V. Toshinsky (*Musashi Ins. Tech.*), "Feasibility Study on Long-Life Pb-Bi Cooled Reactor Capable to Follow the Load without Operation of Reactor Control System" (40min)

12:00-13:30 Lunch

13:30-14:10 ***Conceptual Design and R&D of PBWFR,*** Chair T. Obara (*Tokyo Tech.*)

S. Uchida (*ARTECH*), "Design of Pb-Bi Cooled Direct Contact Water FBR (PBWFR)" (20min)

M. Takahashi (*Tokyo Tech.*), "Studies for Development of PBWFR" (20min)

14:10-15:10 ***Core, Structure and Flow Meter Design***, Chair S. Uchida (*ARTECH*)

Y. Ohkubo (*ARTECH*), "Core Design of PBWFR" (20min)

N. Sawa (*ARTECH*), "Reactor Structure Design of PBWFR" (20min)

T. Matsuzawa (*ARTECH*), Y. Elin (Tokyo Tech.), "Upper Structure Design of PBWFR" (20min)

Coffee Break (10min)

15:20-16:20 ***Flow Meter, Polonium Measure and Safety***, Chair K. Kikuchi (*JAERI*)

K. Ara, M. Hirabayashi (*JNC*) "Ultrasonic Flow Meter for PBWFR" (20min)

T. Obara (*Tokyo Tech.*), T. Miura, "Polonium Measure for PBWFR" (20min)

K. Koyama, "Safety Design of PBWFR" (20min)

16:20-17:00 ***Chemistry and Heat Transfer in Direct Contact***, Chair K. Koyama (*ARTECH*)

K. Hata, K. Hara (*NDC*), "Chemistry in Steam Injection into Lead-Bismuth" (20min)

Y. Yamada (*ARTECH*), "Two-Phase Flow in Chimney of PBWFR" (20min)

17:00-17:10 M. Takahashi (*Tokyo Tech.*), "Closing Remark"