PROPOSED PROGRAMME

Day 1: 31 March 2008

Opening Session – Chair S. Langenbuch
9:00 – 9:15 Introduction and opening remarks – S. Langenbuch (GRS), E. Sartori (OECD/NEA)
9:15–9:30 Overview and status of benchmark activities – K. Ivanov

Technical Sessions on Phase I – Void Distribution Benchmark

Session I – Chair H. Utsuno
09:30 – 10:15 Summary of comparison and analysis of final submitted results for Exercise I-1
  – B. Neykov, M. Avramova, K. Ivanov, L. Hochreiter
10:15 – 11:00 Summary of comparison and analysis of submitted results for Exercise I-2.
  – B. Neykov, M. Avramova, K. Ivanov, L. Hochreiter
11:00 -11:15 Coffee Break

Session II – Chair – E. Royer
11:15 – 11:45 Summary of the major conclusions of the continuation of study performed by the benchmark team on developing correlation for the transient densitometer void distribution measurements - F. Aydogan, L. Hochreiter, K. Ivanov
11:45 – 12:30 Comparative analysis of participants’ results for Exercise I-3”
  - B. Neykov, M. Avramova, K. Ivanov, L. Hochreiter
12:30 – 14:00 Lunch

Session III – Chair - M. Glück

Participants’ presentations on modelling and results on Phase I.
14:00 – 14:20 Recent BFBT CFD analyses with STAR-CD: the effecte of interphase forces on void distribution - W. David Pointer, Adrian Tentner:
14:20 – 14:40 TRACE simulation of void fraction tests - M. Thieme:
14:40 – 15:00 Transient void prediction by CATHARE 2 code - L.Sabotinov, E.Georgieva:
15:00 – 15:20 PSU modeling and results for Exercises II-0, I-1 and I-3
  - M. Avramova, K. Ivanov, L. Hochreiter
15:20 – 15:40 Progress on activities performed at UNIPI on Void Distribution Prediction by means of CFD methods - M.C. Galassi, F. Moretti, F. D’Auria
15:40 -15:55 Coffee Break
Session IV – Chair A. Tentner
15:55 – 16:20 FLUENT modeling and results for the BFBT benchmark - B. Neykov, E. Popov, K. Ivanov, L. Hochreiter
16:20 – 16:45 Uncertainty analysis on void distributions - E. Royer, M. Martin
16:45 - 17:15 Uncertainty analysis of COBRA-TF void distribution predictions using GRS methodology – S. Langenbuch, B. Krzykacz-Hausmann, M. Avramova, K. Ivanov

Day 2: 1 April 2008
Session V – Chair A. Petruzzi
09:00 – 09:25 PSU methodology for uncertainty analysis - F. Aydogan, L. Hochreiter, K. Ivanov
09:25 – 09:50 PSU analysis and results for Exercise I-4 - F. Aydogan, L. Hochreiter, K. Ivanov
09:50 – 10:25 Discussions on Phase I
10:25 – 10:40 Coffee Break

Technical Sessions on Phase 2 – Critical Power Benchmark
Session VI – Chair D. Panayotov
10:40 – 11:25 Comparative analysis of participants’ results for Exercise II-0 - B. Neykov, M. Avramova, K. Ivanov, L. Hochreiter
11:25 – 12:10 Comparative analysis of participants’ results for Exercise II-1 - F. Aydogan, L. Hochreiter, M. Avramova, K. Ivanov
12:10 – 12:40 Comparative analysis of participants’ results for Exercise II-3 - F. Aydogan, L. Hochreiter, M. Avramova, K. Ivanov
12:40 – 14:00 Lunch

Participants’ presentations on modelling and results on Phase II.

Session VII – Chair L. Sabotinov
14:00 – 14:25 Modification of Droplet Generation Model of NASCA and Application to NUPEC BFBT Benchmark - Kenichiro Nozaki, Akitoshi Hotta, Hiromasa Chitose, Hideaki Ikeda
14:50 – 15:15 BFBT Results by RELAP5-3D© code - A. Kovtonyuk, A. Petruzzi, F. D’Auria:
15:15 – 15:40 TRACE simulation of critical power tests - M. Thieme:
15:40 -15:55 Coffee Break

Session VIII – K. Ivanov and E. Sartori
15:55 – 16:20 PSU analysis and results for Exercise II-3 - F. Aydogan, L. Hochreiter, K. Ivanov
16:20 – 16:40 Discussion on Phase 2
16:40 – 16:50 Discussion of special issue in a journal with participants’ BFBT papers
16:50 – 17:05 Action items and schedule of benchmark activities, final workshop (BFBT-6) and plans
17:05 – 17:15 Conclusions and closing remarks