

Monday February 10

The Future of HPC Computing: Israeli innovation, Max Webb Family School of Languages Building

8:00 Registration & Coffee

- 8:30 Welcome to Israel
Prof. Shlomi Dolev, IUCC
- 8:45 What is PRACE?
Mr. Hank Nussbacher, IUCC
- 9:05 Paving the Road to Exascale Computing
Mr. Gilad Shainer, VP Marketing, Mellanox
Mr. Michael Kagan, CTO & Co-founder, Mellanox
- 9:35 MultiGPU infrastructure for Real Time Applications
Mr. Eri Rubin, SagivTech
- 10:05 Developing the HPC Compute Cores of Tomorrow
Mr. Ofri Wechsler, Intel

Coffee break

- 11:00 Towards an Exascale Operating System
Mr. Ely Levy, Hebrew University of Jerusalem
- 11:30 The Future of Heterogeneous Computing
Mr. Yaki Tebeka, AMD
- 12:00 Operating System Support for High-Throughput Processors
Dr. Mark Silberstein, Technion-Israel institute of Technology

Lunch

Monday February 10

Training Workshop I, Dan David Building Room 111

- 13:30 Programme Overview and Introduction to Accessing PRACE Resources
Mr. Hank Nussbacher, IUCC
- 14:00 The Linksceem-2 Project Overview
- 14:15 Introduction to Parallel Programming – Message Passing Interface (MPI)
Dr. Guy Tel Zur, Ben Gurion University of the Negev

Coffee break

- 15:30 Parallel Programming with MPI
Dr. Guy Tel Zur, Ben Gurion University of the Negev
- 17:00 Hands On MPI
Dr. Guy Tel Zur, Ben Gurion University of the Negev

Dinner and Entertainment

- 18:30 Diaspora Museum, Tel Aviv University Campus

Tuesday February 11

Training Workshop I (cont.), Dan David Building Room 110

- 08:30 Advanced MPI I
Mr. Jussi Enkovaara, CSC
- 09:30 Hands-on Advanced MPI I
Mr. Jussi Enkovaara, CSC

Coffee break

Training Workshop II, Dan David Building Room 110

- 10:45 Advanced MPI II
Mr. Jussi Enkovaara, CSC
- 11:45 Hands-on Advanced MPI II
Mr. Jussi Enkovaara, CSC

Lunch

Training Workshop III, Dan David Building Room 110

- 14:00 Introduction to Parallel Programming with OpenMP
Mr. Jussi Enkovaara, CSC
- 15:00 Hands-on OpenMP
Mr. Jussi Enkovaara, CSC

Coffee break

Training Workshop IV, Dan David Building Room 110

- 16:15 Hybrid (MPI + OpenMP) Programming
Mr. Jussi Enkovaara, CSC
- 17:00 Hands-on hybrid Programming
Mr. Jussi Enkovaara, CSC

Wednesday February 12

Training Workshop V, Dan David Building Room 110

08:30 Usage of Maths and Scientific Libraries (BLAS, LAPACK)

Mr. Jussi Enkovaara, CSC

09:30 Hands On Installation and Usage of Maths and Scientific Libraries

Mr. Jussi Enkovaara, CSC

Coffee break

Training Workshop VI, Dan David Building Room 110

Training workshop - VI (10:30-12:30)

10:30 Profiling

Dr. Alan O'Cais, JSC

11:30 Hands on Profiling

Dr. Alan O'Cais, JSC

Lunch

Guided Tour of Old City of Jerusalem & Dinner

Buses will depart from Tel Aviv University

Expected return to Tel Aviv 22:00

Thursday February 13

Training Workshop VII, Dan David Building Room 107/8

08:30 Optimization and Benchmarking

Dr. Alan O'Cais, JSC

10:00 Hands On Optimization and Benchmarking

Dr. Alan O'Cais, JSC

Coffee Break

Training Workshop - VIII Dan David Building Room 107/8

11:45 The PRACE Environment –Job Submission Scripts - Accounting Tools

Dr. Alan O'Cais, JSC

Lunch

Training Workshop - IX Dan David Building Room 107/8

14:00 CUDA Programming

Mr. Oren Tropp, Sagivtech

Training Workshop - X Dan David Building Room 107/8

16:00 Hands On (CUDA Programming)

Mr. Oren Tropp, Sagivtech

17:45 Closing remarks

Mr. Hank Nussbacher, IUCC