February 17 (Friday)

9:00 – 9:30 Registration

9:30 – 10:00 Opening

Chairman: Stoyan Markov

10:00 – 10:45 Florian Berberich (Juelich, Germany), PRACE: World class HPC Services for Science

10:45 – 11:15 Coffee break

Chairman: Krassimir Georgiev

11:15 – 12:00 Christopher Johnson (EPPC, UK), HECToR: the UK national supercomputing service

12:00 – 12:45 Ivan Girotto (ICHEC, Ireland), Porting highly computational intensive applications to hybrid systems: case studies from the Irish Centre for High-End Computing (ICHEC)

12:45 – 13:45 Lunch
Chairman: Svetozar Margenov

13:45 – 14:30 Rossen Apostolov (ScalaLife Project, Sweden), *ScalaLife - Scalable Software Services for Life Science*

14:30 – 15:15 Vit Vondrak (VSB, Czech Republic), *FLOREON+ system - HPC service for floods prediction*

15:15 – 16:00 Zdenec Dostal (VSB, Czech Republic), *Scalable algorithms for multibody contact problems: Toward massively parallel implementation and industrial applications*

16:00 – 16:30 Coffee break

Chairman: Emanouil Atanasov

16:30 – 17:15 Danica Stojilkovic (IPB, Serbia), *High-Performance Computing Infrastructure for South East Europe's Research Communities (HP-SEE) project along with some selected supported applications*

17:15 – 18:00 Murat Manguoglu (METU, Turkey), *Parallel Algorithms for Solution of Large Sparse Linear Systems with Applications*
February 18 (Saturday)

Chairman: Ivan Dimov

9:00 – 9:45 Svetozar Margenov (NCSA&IICT-BAS, Bulgaria),
HPC infrastructure development in Bulgaria

9:45 – 10:30 Vassil Aleksandrov (BSC, Spain), Scalable
algorithms approaches for solving problems with
uncertainties

10:30 – 11:00 Coffee break

Chairman: Vassil Alexandrov

11:00 – 11:45 Emanouil Atanassov (IICT-BAS, Bulgaria),
Stochastic modelling of electron transport
problems on different HPC architectures

11:45 – 12:30 Georgi Vayssilov (NCSA&SU, Bulgaria),
Computational modeling of the structure and
dynamics of nanosized systems and surfaces

12:00 – 13:15 Plamenka Borovska (NCSA&TU-Sofia, Bulgaria),
Performance scalability of the Bulgarian
supercomputer IBM BlueGene/P for biological
sequence processing

13:15 – 14:15 Lunch
Chairman: Aneta Karaivanova

14:15 – 14:45 Miroslav Rangelov (NCSA, Bulgaria), *Ribosome MD simulations using implicit solvent model*

14:45 – 15:15 Sofia Ivanovska (IICT-BAS, Bulgaria), *Efficient estimation of financial options using heterogeneous GPU resources*

15:15 – 15:45 *Coffee break*

15:45 – 16:30 Discussion on HPC Approaches on Life Sciences and Chemistry (Moderators: Stoyan Markov and Svetozar Margenov)

16:30 *Closing*