



School of Physics, Institute for research in fundamental sciences (IPM)
Shahid Beheshti University, Physics Department

The 2nd Workshop on High Performance Computing

21 January-1 February 2009 (2-13 Bahman 1387)

Shahid Beheshti University, Tehran, Iran

Registration deadline: 20 December 2009 (30 Azar 1387)

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

```
for (int i=0; i < number_of_particles; i++) for (int j=0; j < number_of_particles; j++) { ...
```

Topics:

- Linux
- Parallel computing and parallel machines
- Parallel programming (MPI and openMP)
- Compilers, debuggers and profilers
- Parallel libraries
- Optimization techniques

Audience:

Scientists who actively develop their own computer codes as part of their researches and they are willing to move toward parallel programming.

More information and online registration form can be found at:

<http://physics.ipm.ac.ir/conferences/hpc09>

Lecturers:

Stefano Cozzini

CNR/INFN & SISSA, Trieste, Italy

Luca Heltai

SISSA, Trieste, Italy

Tutors:

Maryam Soltani, IPM

Saeed Sarkarati, SBU

Organizers:

Hamed Seyed-allaei, SBU

Reza Asgari, IPM