

Invitation to PowerTune Workshop

Please find attached agenda for the upcoming Power4 Tuning & Optimization Workshop.

The workshop will take place September 17th through September 19th in Århus, location will be announced September 9th

The training is aiming at familiarizing you with the Power4 microarchitecture and to provide you with the information necessary to exploit the new servers based on this architecture.

The following topics will be addressed:

- Power4 features and capabilities
- Processor and memory optimization techniques
- AI X compiler capabilities and which options to use
- Serial Optimization Techniques
- Parallel Programming techniques
- Performance tools
- Available libraries and programming interfaces

Registration to: pia_bjernemose@dk.ibm.com

Deadline: September 9th 2002

Inquiries to: Pia Bjernemose
pia_bjernemose@dk.ibm.com
gsm: 2880 8068

Agenda PowerTune Optimization Training

September 17th - 19th, 2002

Tuesday, September 17th

<i>Welcome with coffee/tea</i>	08:30 - 09:00
Introduction	09:00 - 09:30
Regatta Architecture Overview	09:30 - 10:30
<i>Coffee/tea break</i>	10:30 - 10:45
AI X and PSSP Environment	10:45 - 11:15
Serial Optimization Techniques	11:15 - 12:00
<i>Lunch</i>	12:00 - 13:00
Performance Analysis Tools	13:00 - 13:45
Hardware Performance Counters	13:45 - 14:30
<i>Coffee/tea break</i>	14:30 - 14:45
Introduction to lab sessions	14:45 - 15:00
Lab sessions and/or own projects	15:00 - 17:00

Wednesday, September 18th

Review Lab Sessions	09:00 – 09:15
The IBM Compilers and Libraries	09:15 – 10:30
<i>Coffee/tea break</i>	<i>10:30 – 10:45</i>
Lab sessions and/or own projects	10:45 – 12:15
<i>Lunch</i>	<i>12:15 – 13:15</i>
Debugging and Performance Tools	13:15 – 14:00
Parallel Programming Environment	14:00 – 15:00
<i>Coffee/tea break</i>	<i>15:00 – 15:15</i>
Shared Memory Programming: OpenMP and pthreads	15:15 – 17:00

Group Dinner

Thursday, September 19th

Distributed Memory Programming: MPI	09:00 – 10:30
<i>Coffee/tea break</i>	<i>10:30 – 10:45</i>
Lab Sessions and/or own projects	10:45 – 12:00
<i>Lunch</i>	<i>12:00 – 13:00</i>
Wrap-up	13:00 – 14:00
Return of Evaluation Forms	14:00