

**CRPC Book Review Meeting
October 6-7, 1999
Arlington, Virginia**

October 6, 1999

Opening Remarks

Ken Kennedy

8:00 AM Continental Breakfast

8:15 AM Opening Remarks Ken Kennedy

Introduction and Overview

Ian Foster

8:30 AM CRPC and the National Scene Ken Kennedy

9:00 AM The Future of High-End
Computing Applications Andy White

9:30 AM Parallel Architectures Rick Stevens

10:00 AM Break and Discussion

10:30 AM Computing Technologies Ian Foster

11:00 AM Numerical Algorithms and Libraries Jack Dongarra

Applications

Geoffrey Fox

11:30 AM General Application Issues Geoffrey Fox

12:00 PM List of Application Overviews Geoffrey Fox

12:30 PM Lunch and Discussion

1:30 PM Parallel Computing in CFD **Dan Meiron unavailable**

2:00 PM Parallel Computing in
Environment and Energy Mary Wheeler

2:30 PM Computational Cosmology John Salmon

3:00 PM Break and Discussion

Computing Technologies

Ken Kennedy

3:30 PM Base Technologies Ian Foster

4:00 PM Libraries John Reynders

4:30 PM Languages Ken Kennedy

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8:00 AM Continental Breakfast

Computing Technologies, cont.

Ken Kennedy

8:30 AM Programming Environments

Jack Dongarra

9:00 AM Tools

Dan Reed or Ruth Aydt

Numerical Algorithms and Libraries

Jack Dongarra

9:30 AM Templates and Linear Algebra

Jack Dongarra

10:00 AM Parallel Continuous Optimization

John Dennis

10:30 AM Break and Discussion

11:00 AM Traveling Salesman Problem: A Case
Study in Parallel Discrete Optimization

Bill Cook - uncertain

11:30 AM Automatic Differentiation

David Applegate - uncertain

12:00 PM Continuation and Bifurcations
in Scientific Computing

Alan Carle

Herb Keller unavailable

12:30 PM Lunch and Discussion

Conclusion

Andy White

1:30 PM Bringing It All Together and Futures

Andy White

2:00 PM Closing Session

Ken Kennedy