

Cluster Computing

13-18 August 2007

The Computer Science and Engineering department of National Institute of Technology Rourkela is organizing the short term course on "Cluster Computing" during 13-18 August 2007. The Sponsored Research and Industrial Consultancy (SRIC) Cell of NIT Rourkela is facilitating the assistant for the course.

COURSE OUTLINE

- Overview of cluster computing hardware and software with applications to Beowulf clusters. General introduction to the concept of a concurrent computing.
- Software and software architectures for cluster computing, including both shared memory and message-passing models.
- Hardware technologies for cluster computing, including a survey of the key high-speed networking technologies and symmetric multiprocessing architectures, performance tradeoffs, and application development.
- Cluster setup and administration. Parallel Programming models and environments. MPI and PVM programming. Load balancing and scheduling. Performance modeling. Heterogeneous clusters. Applications in parallel numerical analysis, genetic algorithms, and fault tolerance/high availability systems.

INTENDED AUDIENCE

The course is designed primarily for scholars who would like to further their education in Cluster Computing. Professionals working in these fields, as well as Students of Electronics, Electrical and Computer Science & Engineering, MCA, MSc (CS) would find this course extremely useful and interesting

REGISTRATION AND FEE

The registration form may be downloaded from the website. Filled in registration form along with a demand draft of Rs. 3,000/- (Rupees Three Thousand Only) should be sent to The Coordinator at the address given below. The DD should favor "Continuing Education, NIT Rourkela" and should be payable at SBI, NIT Campus Branch Rourkela (Code: 2109).

ACCOMODATION

Accommodation and food will be provided in Students' hostel or Visitors' hostel of NIT Rourkela as per availability on payment basis.

IMPORTANT DATES

Last date of receipt: (Completed application form with Draft)	03-Aug-2007
Commencement of Course	13-Aug-2007
Completion of Course	18-Aug-2007

COORDINATORS

Prof. Bibhudatta Sahoo,
Sr. Lecturer, CSE Dept. NIT Rourkela

CORRESPONDENCE

Prof. B. D. Sahoo, Coordinator, "CC-2007",
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Cluster Computing

13-18 August 2007, Dept of CSE, NIT Rourkela

Registration Form

Name:

Address:

e-mail:

Phone:

Accommodation

YES

NO

Registration Fee:

Rs. 3,000/-

Rupees Three Thousand Only

Demand Draft Number/Date/Bank:

Date

Signature

Number of seats for this course is limited and allocation would be strictly on first-come-first-serve basis. Fee for the course is to be paid in the form of demand draft favoring "Continuing Education, NIT Rourkela", payable at "Rourkela".

Amount

Rs. 3,000/-

To sign up for this course, fill up the registration form and send along with the required fee to the coordinator in the following address

Contact Details

Prof. Bibhudatta Sahoo, Co-coordinator CC-2007,
Dept of CSE, NIT Rourkela.
Rourkela-769 008, Orissa, India

Ph-0661-246-2358, 9937324437,
bdsahu@nitrkl.ac.in, bibsss@yahoo.com

Last date of receiving application with DD is 03 August 2007

Accommodation and fooding can be arranged in institute Visitors House on payment basis