

Anne C. Elster

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EDUCATION:

Ph.D. in Electrical Engineering, Cornell University, USA Aug. 1994;

Minor: Comp. Science; Thesis Title: "Parallelization Issues and Particle-in-Cell Codes"

M.S. in Electrical Engineering, Cornell University, USA, August 1988.

Thesis Title: "Efficient Parallel Algorithms for Matrix Operations."

B.Sc. Computer Systems Engineering *cum laude*, Univ. of Massachusetts at Amherst, USA, May 1985.

University of Oregon, Eugene, USA, Computer Science/Pre-Business studies, 1981-82.

MAIN INTERESTS: High-performance computing, including, parallel algorithms, cluster and grid computing and signal processing algorithms targeted GPUs and DSPs.

EMPLOYMENT :

Dept. Computer & Information Science, NTNU -- Associate Professor (2001-present)

Co-founder and Co-director of NTNU's Computational Science & Visualization program (2001 -Jan 2007). Current leader of IDI's HPC research group. Taught and developed courses on Parallel Computing, Operating Systems and Compilers. Participating in many national & international program committees, including will host PARA 2008 next year in Trondheim, Norway.

The Univ. of Texas at Austin, USA, Visiting Researcher++ (1997-present)

Associated with The Dept. of Electrical & Computer Engineering (2001-present), Center for Numerical Analysis (1997-1999) and Dept. of Computer Science (1997 & 1998). Research as well as teaching Algorithms, Data Structure and Operating System courses.

Schlumberger Austin, Austin, Texas, USA (1994 - 1997).

HONORS AND AWARDS: - IEEE Senior Member, December 2000.

PROFESSIONAL SERVICE:

Serving on many international technical conference committees, including for ParCo 2007, SC'07 (Supercomputing) – tutorial committee, SC'08 – Co-chair Poster Committee, and General Chair for PARA'08 to be held in Trondheim, Norway, May 13-16, 2008.

GRANTS

- My Post Doc (Henrik Nagel) and colleagues were involved in securing NTNU's recent national funding of ca. USD 4.4 million for a new National HPC resource.

- NOTUR Competency projects on GRID, Cluster and Storage Technologies, a joint effort by NTNU, U of Bergen, U of Oslo, U of Tromsø and UNINETT. Elster helped raised NOK 1 million at NTNU for these projects, which made us the largest partner. These funds were matched by the Research Council of Norway (RCN). The projects ran through 2004. Several of my graduate students were involved in the GRID and cluster subprojects.

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