Applicant ID: 17742   **Name:** Dr. Marinescu , Dan Cristian

Contact Information

Employment Address:

University of Central Florida
4000 Central Florida Boulevard
Orlando, FL 42814
United States

Degree Information

Degree Received	Discipline	Degree Date	Institution	Location
Ph.D.	Engineering	1975	Polytechnic Institute	Bucharest
M.S.	Engineering	1969	University of California, Berkeley	Berkeley, California
M.S.	Engineering	1965	Polytechnic Institute	Bucharest

Countries of Interest or Preference

Chile

Korea, South

New Zealand

Regions of Interest or Preference

Western Hemisphere

East Asia and the Pacific

Professional Trips Abroad

Country	Purpose/Sponsorship	From Date	To Date
Ireland	T.S. Walto Fellowship/Science Foundation of Ireland	08/2008	08/2008
France	Joint project with INRIA Rocquancourt/NSF+INRIA	05/2006	08/2006
France	Joint project with INRIA Rocquancourt/NSF+INRIA	05/2005	08/2005
France	Joint project with INRIA Rocquancourt/NSF+INRIA	05/2001	08/2001

Previous Fulbright Grants

Year	Program	Type of Grant

Professional Background

Years of College/University Level Teaching Experience: 46

Applicant's most significant professional accomplishments, major publications, honors and awards

1. I published four books, 57 journal papers, 114 refereed conference papers, and 29 book chapters. My work has more than 2,000 citations.
I received more than $6 M in research funding from NSF.
2. I graduated 16 Ph.D,and 3 M.S students. I was the mentor of 10 Post-Doctoral Fellows and 5 Junior faculty.
3. Most of my research is interdisciplinary; at Purdue University I worked for 15 with a group of well-known structural biologists; the results were published in leading journals such as: Acta Crystallographica, Journal of Structural Biology, and Cell.

In recent years I worked in Quantum Computing and Quantum Information Theory and co-authored two books and several journal publications in this field.

4 In 2008 I was awarded the prestigious T. S. Walton fellowship (T.S. Walton is the Nobel laureate for Physics in 1951). In 2007 I delivered the Boole lecture at UCC (George Boole taught Mathematics at UCC from 1849 till 1864.

5. I introduced Stochastic High Level Petri Nets.

Applicant's motivation for and interest in applying to the Fulbright Specialists Program

I will work enthusiastically to help build bridges with universities and research institutions from countries around the world and help strengthen their standing in the academic and research communities. At this time it seems extremely important to convey to the students in developing countries around the world the true values of the American spirit and culture and the need to work together for pace and prosperity. This is particularly true for Latin and Central America regions where the US should help build a prosperity zone. I had several students from these countries and I was impressed by their commitment and dedication. I recently visited UTFSM in Chile and I talked to striking students about the role of the young generation in shaping the future of their countries; I told them about Berkeley in 1969 and the student movement to end the Vietnam war. Seven of my Ph.D. students and 10 of the Post Doctoral Fellows I mentored were from China and they are now all working for major companies in the US and contributing to the economic prosperity of this country and of better relations between China and the US. I believe that the students educated in the US we can contribute to the peace, prosperity, and understanding in our world.

Applicant's preparation to participate in the Fulbright Specialists Program

I speak several languages including French, German, Russian, and Romanian and has lectured extensively abroad. I collaborate with very respected scientists from several countries and has visited
prestigious research institutions and universities in several countries for extended periods of time: France (INRIA Rocquancourt and Institute Polytechnique), Germany (GSI Darmstadt and Deutsche Telcom Bonn), China (Tsinghua University and the University of Science and Technology in Hefei), Ireland (University College Cork), Russia (The Joint Institute for Nuclear Research in Dubna), Romania (The Institute for Physics and Nuclear Engineering in Bucharest), and Chile (Technical University Federico Santa Maria in Valparaiso). I delivered tutorials at major international conferences and lectured extensively in Europe, Asia, Australia, and South America.

In addition to technical expertise I am a student of history, art, and literature of several European countries including France, Germany, and Italy where we lived for extended periods of time. Of course, I am also imersed in the culture of my adopted country, the US, and of my native land, Romania.

Examples of potential contributions given the eligible activities for this program

Help develop the undergraduate and the graduate curriculum in new areas of computer science such as: cloud computing, computational topology, computational biology, quantum computing, quantum information theory.

Help research groups interested in these areas develop research projects and connect with the US researchers.

Help establish mutual collaboration and faculty and student exchage agreements between institutions in foreign countries and US institutions.

Specialization

Major Academic Discipline: Computer Science and Information Technology

Basic Occupational Profile: DCM

Specialization within this Field: Computer and Informaton Sciences, General

Business/Institutional Affiliations: UCF

Additional Expertise: Parallel and Distributed Systems Cloud Computing Quantum Computing Quantum Information Theory Computational Biology

Activities in which applicant have demonstrated expertise:

- Presenting lectures at graduate and undergraduate levels
- Participating in or leading seminars or workshops at overseas academic institutions
- Conducting needs assessments, surveys, institutional or programmatic research
- Taking part in specialized academic programs
- Consulting with administrators and/or instructors of post-secondary institutions on faculty development
- Developing academic curricula or educational materials
- Assessing academic curricula or educational materials
- Conducting teacher-training programs at the college/university level
- Dissertation advising

Languages

Language	Reading	Writing	Speaking
French	Excellent	Excellent	Excellent
German	Good	Good	Good
Romanian	Excellent	Excellent	Excellent

Russian	Good	Fair	Good

Resume

Education:
1965 M.S. Department of Physics Engineering, Polytechnic Institute Bucharest, Romania.
1969 M.S. EECS Department University of California at Berkeley.
1975 Ph.D. Department of Electronics, Polytechnic Institute Bucharest.

Professional Experience
 1965-66 Researcher Institute for Atomic Physics, Bucharest, Romania.
 1966-68 Assistant Professor Polytechnic Institute Bucharest, Romania.
 1970-72 Research Associate University of California, Berkeley, CA.
 1972-75 Researcher Institute for Atomic Physics, Bucharest, Romania.
 1976-77 Senior Researcher Joint Institute for Nuclear Research, Dubna, USSR.
 1977-79 Senior Researcher Institute for Physics and Nuclear Engineering, Bucharest, Romania.
 1977-80 Associate Professor Polytechnic Institute Bucharest, Romania.
 1980-84 Senior Researcher Gesellschaft fur Schwerionenforschung, GSI Darmstadt, Germany.
 1984-94 Associate Professor Computer Sciences Department, Purdue University, West Lafayette, IN.
 1995-01 Professor&Computer Sciences Department, Purdue University, West Lafayette, IB.
 1998-01 Professor (courtesy) Electrical and Computer Engineering, Purdue University, IN.
 2001- Professor EECS Department, University of Central Florida, FL.
 2001- Provost Research Professor EECS Department, University of Central Florida, FL.
 2002 - Adjunct Professor & Tsinghua University, Beijing, China.
 2004 - 08 Scientific Director, I2Lab, University of Central Florida, FL.

Visiting Appointments}
1985 Thomas J.\ Watson Research Center, Yorktown Heights
1989 Gesellschaft fur Schwerionenforschung, GSI Darmstadt, Germany
1993 Supercomputer Systems Division Intel Corporation, Beaverton, OR.
1993 Institute of Information Sciences, Beijing, China.
1993 University of Science and Technology of Chine, Hefei, Anhui, China.
1997 Multi Media Systems - Deutsche Telekom, Dresden, Germany.
1998 INRIA - Paris, France.
2001 INRIA - Paris, France.
2005 INRIA - Paris, France.
2006 INRIA - Paris, France/
2007-2008 University College Cork, Ireland

Professional Memberships: ACM, American Mathematical Society, IEEE (Senior Member),IEEE Communication Society, IEEE Computer Society.

Research Interests:
 Computer Networks and Distributed Systems,
 Computer Performance Evaluation and Modelling,
 Petri Nets,
 Parallel Processing and Scientific Computing,
 Computational Biology,
 Computing and Quantum Information Theory.

Editorial Boards
   Journal of Computational and Theoretical Nanoscience, 2004-.
   International Journal of Computational Intelligence'', 2004-.
   International Journal of Business Process Integration and Management'', 2004-.
   Mathematics Applied in Science and Technology (MAST)'', 2006-

Guest Editor
   Concurrency and Computation - Special Issue on High Performance Computational Biology, May 2005.

Consultant
  Intel Corporation, Supercomputing Systems Division: 1992-1996.
  Purdue University - 2002-2005 projects in computational biology.
  DARPA, Johns Hopkins Applied Physics Laboratory: 2004-2006 -ARMS project, dynamic scheduling.

Books published

Internet-Based Workflow Management: Towards a Semantic Web, 627+xxiii pages,
ISBN 0-471-43962-2, Wiley, New York, N.Y., 2002.

Process Coordination and Ubiquitous Computing,'' (D.C. Marinescu and C. Lee Editors),
ISBN 0-8493-1470-4, CRC Press, New York, N.Y., 2002.

Approaching Quantum Computing,'' (with G. M. Marinescu), 365+xvi pages,
ISBN 0-13-15224-X, Prentice Hall, Upper Saddle River, N.J., 2004.

Classical and Quantum Information,'' (with G. M. Marinescu), 725 pages,
ISBN 978-0-12-383874-2, Academic Press (a division of Elsevier), 2011.

Book Chapters

Location- and Power-Aware Protocols for Wireless Networks with Asymmetric Links, (with G. Wang, Y. Ji, D. Turgut, and L. Boloni), in Computer System Performance Modelling in Perspective: A Tribute to the Work of Prof. Kenneth C. Sevcik., E.Gelebe Ed., pp. 101--136, Imperial College Press, 2006.

Options and Commodity Markets for Computing Resources, (with H. J. Siegel, and J. P. Morisson, in Market Oriented Grid and Utility Computing, R. Buyya and K. Bubendorf, Eds., Wiley, ISBN: 9780470287682, pp. 89--120, September 2009.

Data Partitioning, Scheduling, and Coordination in Large-Scale Distributed Systems. Case Study: A Pipelined Data Staging Model for Optimal Data Partitioning on Multiple Parallel Systems, (with C. Yu), in Grid Technology and Applications; Recent Developments, Nova Science Publishers, Inc., pp. 32--64, April 2009.

Quantum Error Correction in a Quantum Network, (with G.M. Marinescu) NATO Science Publications, IOS Press, 2007.

Quantum States and Quantum Measurements, (with G.M. Marinescu) NATO Science Publications, IOS Press, pp. 101--126, 2005.

Intelligent Grids, (with X. Bai, H. Yu, G. Wang, Y. Ji, G.M. Marinescu, and L. Boloni), in Grid Computing: Software Environments and Tools (Jose C. Cunha and O.F. Rana Eds. Springer Verlag, Heidelberg, pp. 45--74, 2005.

Computational Aspects of Virus Structure Determination at High Resolution, (with Y. Ji, V. Singh, and G.M. Marinescu), Handbook of Theoretical and Computational Nanotechnologies, American Scientific Publishers, Stevenson Ranch, Ca., 2005.

Rapid distribution of tasks on a commodity grid, (with L.Boloni, D. Turgut, T.Kocak, and Y.Ji). In Advances in Grid Computing - EGC 2005. Lecture Notes in Computer Science,Springer Verlag, Heidelberg,
Vol. 3470, pp. 721-730, 2005.

Journal Papers

``Scale-free, Self-organizing Very Large Sensor Networks'' (with C. Yu and G. M Marinescu), Journal of Parallel and Distributed Computing,
(JPDC), Vol. 70 Nr. 5 pp. 612-622, 2010.

``Algorithms for Divisible Load Scheduling for Data Intensive Applications'' (with C. Yu), Journal of Grid Computing, DOI 10.1007/s10723-009-9129-0, September 2009.

``Time-parallel Simulation of Wireless Ad Hoc Networks,'' (with G. Wang, D. Turgut, L.Boloni), Wireless Networks (WINET),463--480, 2008.

``Time-parallel Simulation of Wireless Ad-hoc Networks with Compressed History,''(with G. Wang, D. Turgut, L.Boloni), Journal of Parallel and Distributed Computing (JPDC), Vol. 69, Nr. 2, pp. 168--179, 2008.

``Improving Routing Performance Through m-Limited Forwarding in Power-Constrained Wireless Networks,'' (with G. Wang, D. Turgut,
L. Boloni), Journal of Parallel and Distributed Computing (JPDC), Vol. 68, pp. 501--514 2008.

``A Macroeconomic Model for Resource Allocation in Large Scale Distributed Systems,'' (with X. Bai, L.Boloni, H. J.Siegel, R. E. Daley, and I-J. Wang), Journal of Parallel and
Distributed Computing, Vol. 68, pp. 182--199, 2008.

``A MAC Layer Protocol for Wireless Ad Hoc Networks with Asymmetric Links,'' (with G. Wang, D. Turgut, L. Boloni), Ad

Hoc Networks Journal, Vol. 6, No. 3, pp. 424--440, May 2008.

``Parallel Computational Biology,'' with (S. Aluru, N. Amato, D. A. Bader, S. Bhandarkar, and L. Kale), Parallel Processingfor Scientific Computing, Software, Environments, and Tools}, Vol. 20, pp. 356--378, SIAM, 2006.

``Quantum Error Correction of Time-Correlated Errors,'' (with F. Lu), http://arxiv.org/abs/quant-ph/0605226, Quantum Information Processing. Vol. 6, No. 4, pp. 273-293, 2007.

``A Model-based Parallel Origin and Orientation Refinement Algorithm for CryoTEM and its Application to the Study of Virus Structures,'' (with Y. Ji, W. Zhang, X. Zhang, X. Yan, and T. S. Baker). Journal of Structural Biology, Vol. 154, No. 1, pp. 1-19, 2006.

``Quantum Information: a Glimpse at the Strange and Intriguing Future of Information,'' (with G. M. Marinescu), The Computer Journal,} Vol. 50, No. 5, pp. 505--521, 2007.

``An R|Cmax Quantum Scheduling Algorithm,'' (with F. Lu) http://arxiv.org/abs/quant-ph/0511028,   Quantum Information Processing} Vol. 6, No. 3, pp:159-178, 2007.

``Rotational and Translational Alignment Errors in 3D Reconstruction of Virus Structures at High Resolution.'' (with Y. Ji). Int. J. Bioinformatics Research and Applications, Vol. 2, No. 4, pp. 350--370, 2006.

``Genetic-Based Planning with Recursive Subgoals,'' (with H. Yu, A. Wu, and H.J. Siegel), International Journal on Computational Intelligence (IJCI), Vol. 2 No. 3, pp. 192-198, 2006.

``Task Distribution with a Random Overlay Network.''(with L.Boloni and D.Turgut). Future Generation Computer Systems, Elsevier, Vol. 22, No. 6, pp. 676--687, 2006.

Keynote Addresses
  Quantum Parallelism and the Exact Simulation of Physical Systems,''
  Computing Frontiers, Ischia, Italy, April 14, 2004.

  Quantum Information: a Glimpse at the Strange and Intriguing Future of Information,''
  Boole Lecture, University College Cork (Ireland), February 16, 2007.

Tutorials at International Conferences and Invited Talks}

  Grid Computing for Solving Large Structural Biology Problems,
  VECPAR2002 - Vector and Parallel Computing, Porto, Portugal, June 26-28, 2002.

 Internet Process Coordination with Software Agents,'' ISCC 2002 - Int. Symp. on
 Computers and Communication, Taormina, Italy, July 1-4, 2002.

 Quantum Computing and Quantum Information Theory, NATO
 Concurrent Computing Workshop, Sinaia, Romania, July 5-10 2003.

  Introduction to Quantum Computing, XVIII ISCIS - International Symposium
  on Computer and Information Sciences, Antalya, Turkey, November 2003.

  Quantum Parallelism, 18th Annual ACM International Conference on
  Supercomputing, St. Mallo, France, June 2004.

  The Promise of Quantum Computing. Quantum Parallelism, tutorial open to all participants
  at IPDPS, Denver, April 2005.

  Quantum Computing and Quantum Communication, 5th Int. Information and Telecomunication
  Technologies Symp, I2TS} (Cuiaba, Brazil, December 2006.

  Cluster and Grid Computing for Solving Large Structural Biology Problems, ISPDC International
  Symposium on Parallel and Distributed Computing, Iasi-Romania, July 2002.

  The Challenges and the Promise of Quantum Parallelism, NATO Advanced Research Workshop,
  Sinaia, Romania, July, 2003.

Quantum States and Quantum Measurements, NATO Advanced Research Workshop, Timisoara, Romania, September, 2005.

Quantum Error Correcting Codes,'' NATO Advanced Research Workshop, Suceava, Romania, September 4-8, 2006.

Invited Talks

INRIA Paris, France, June 1998.
University of Houston, April 1999.
Berkeley National Laboratory, April 1999
IBM Research, Yorktown Heights, September 1999.
University of Chicago, March 2000.
INRIA, Paris, France, June 2000.
University of Central Florida, March 2001.
IRISA-INRIA, Rennes, France, June 2003.
INRIA, Paris, France, June 2003.
Institute for Physics and Nuclear Engineering, Bucharest, July 2003.
Romanian Academy - Closed Session of the Informatics Section, March 20, 2005.
Institute for Physics and Nuclear Engineering, Bucharest, Romania,March 25, 2005.
Colorado State University, March 31, 2005.
Abell Distinguished Lecture in Computer Engineering, Colorado State University, April 1, 2005.
Purdue University, West Lafayette, IN, April 8, 2005.
INRIA, Paris France, July 2005.
College University Cork, Ireland, July 2005.
INRIA Paris, July 2006.
Institute Polytechnique Paris, July 2006.
Imperial College, London, July 2006.
University of Volos, Greece, May 2008,
Institute for Physics and Nuclear Engineering, Bucharest, Romania, May 2008.
Middle East Technical University (METU) Ankara, Turkey, June 2010.
Universidad Tecnica Federico Santa Maria, Valparaiso, Chile, May 2011.

Research Funding

Department of Computer Science: ``Seed Grant,'' 1985, PI, $4,000.
ATT: ``Program Development Processor for a Networking Project,'' 1985, PI, $25,000.
ARO: ``Advanced Parallel Systems,'' 1989, Faculty Associate, $900,000.
National Science Foundation: ``Stability Problems in Local Area Networks,'' 1989, Faculty Associate, $110,000.
Department of Computer Science: ``Travel Grant,'' 1989, PI, $2,500.
Software Engineering Research Center: ``Critical Path Analysis of Real-Time Ada Programs,'' 1989, PI, $40,000.
ARO: ``Advanced Parallel Systems,'' 1989--92, co-PI, $350,000.
NATO: ``Distributed Systems for Scientific Computing,'' collaboration with the University of Crete, 1990--91, PI, $5,500.
US National Academy of Sciences: ``International Travel Grant,'' PI, 1991, $2,000.
Purdue University: ``International Travel Grant,'' 1991, PI, $1.000.
NATO: ``Co-scheduling Compute Intensive Tasks on a Network of Workstations,'' collaboration with the University of Crete, 1991--92, PI, \$7,500.
Department of Computer Science, Purdue University: `` Seed Grant,'' 1991, PI, $4,000.
National Science Foundation: ``Parallel Algorithms and Methods for Computing Macromolecular Structures,`` 1992--93, PI, $197,000.
National Science Foundation: ``Softlab - A laboratory for Computational Science,'' 1992--95, Faculty Associate, $2,260,000.
Purdue University: ``PRF Grant,'' 1993, renewed 1994, PI, $20,000.
National Science Foundation: ``Parallel Algorithms and Methods for Computing Macromolecular Structures,`` 1993--95, PI, $407,000.
Purdue University: ``International Travel Grant,'' 1994, PI, $1000.
National Science Foundation: ``Graphics Workstations and Networking Equipment,'' 1995, co-PI $100,000 with $100,000 matching funds from Purdue.
National Science Foundation: ``High Performance Networks and Visualization,'' 1995, PI, $150,000 with $75,000 matching funds from Purdue.
Intel Corporation: ``Parallel Computing of Macromolecular Structures,'' 1995--96, PI, $50,000.

National Science Foundation: ``Parallel and Distributed Computing for Solving Large Structural Biology Problems,'' PI of the Grand Challenge Award, 1995--2000, $2,370,000

NSF/DOD/ARPA/NASA: ``The Scalable I/O Initiative,'' 1995-97, PI of a sub-contract, $180,000.

National Science Foundation: ``Computational Science Alliance -Illinois,'' PI of the sub-contract ``A Metacomputing Environment,'' 1997, $66,000.

Intel Corporation: ``Research in Network Computing,''Co-Principal Investigator: part of Intel/Purdue equipment grant, 1997, $150,000.

Purdue University Program for Stimulating Competitive Proposals: ``A Feasibility Study for Establishing a Computer Systems Research Institute at Purdue University,'' co-PI, 1997, $20,000.

Purdue Research Foundation ``Middleware for a Virtual Laboratory,'' PI, 1999, $32,000.

National Science Foundation: ``Enhanced 3D Processing of Spherical and Non-spherical Virus Structures at High Resolution,'' PI, 2000--03, $675,000.

National Science Foundation: ``Planning and Workflow Management for a Virtual Laboratory,'' PI, 2001--05, $806,000.

National Science Foundation: ``Middleware for Internet Workflow Management,'' PI, 2001--05, $400,000.

University of Central Florida: ``Seed Funding,'' PI, 2001, $150,000.

University of Central Florida: ``Provost Research Professor,'' PI, 2001--04, $30,000/year.

NATO: "NATO Advanced Research Workshop on Verification of Infinite State Systems", 2004--2005 $50,000.

National Science Foundation: ``Is Resilient Quantum Computing in Solid State Systems Possible?'' co-PI, 2005--08, $261,217.

Dutch Science Foundation: ``Workflow Management for Large Parallel and Distributed Applications'' co-PI. Joint project with Technical University Eindhoven, 2006-2009, $1,000,000.

Ernest T. S. Walton Award, National Science Foundation of Ireland, PI. August 2007 --July 2008, 100,000 Euro.

National Science Foundation: ``A Joint U.S./Romanian NanoScience Workshop'' co-PI, May 2009, $50,000.

Reviewer for Journals: IEEE Transactions on Computers, IEEE Transactions on Parallel and Distributed Systems, IEEE Transactions on Software Engineering, IEEE Transactions on Communications, IEEE Journal on Selected Areas in Communications, IEEE Transactions on Automatic Control Journal of Parallel and Distributed Computing, Real Time Systems, Microelectronics and Reliability, Lecture Notes in Computer Science, Software Practice and Experience, Concurrency: Practice and Experience, Computational Science and Engineering, Journal of System Sciences.

Reviewer for Conferences: Conferences on Distributed Computing Systems (1987, 1989, 1990, 1992), ACM SIGCOM, International Conference on Supercomputing (1987-1990), IFIP Conference on Distributed Processing (1987), Advances in Petri Nets (1988, 1989), The Hawaii International Conferences in System Sciences (1988-1991), COMPSAC, Computer Software and Applications, (1991), Supercomputing (1993), IPPS (1993-2001), HPDC-2 (1993), BIOSP3 (2000-2002), HCW (2000-2002).

Technical Committee IEEE Communication Society.
Distinguished Lecturer IEEE Computer Society.
Distinguished Lecturer ACM.

Classes Offered at Purdue (1984 - 2001)
 CS 250 - Computer Architecture
 CS 413 - Operating Systems
 CS 422 - Computer Networks
 CS 440 - File Structure and Searching
 CS 503 - Operating Systems
 CS 536 - Data Communications and Computer Networks
 CS 543 - Discrete Systems Simulation
 CS 544 - Simulation and Modelling of Computer Systems
 CS 590M - Advanced Topics on Computer Architecture
 CS 590S - Multiprocessor Systems. Architecture and Performance Models
 CS 690M - The Theory and Practice of Network-Centric Computing
 CS 603 - Distributed Systems
Classes Offered at University of Central Florida (2001 -)
  CPA 5937 - Process Coordination and Network Centric Computing.

COT 6600 - Quantum Computing.
COT 6602 - Quantum Information Theory.
COP 5611 - Operating Systems Design.
EEL 6532 - Information Theory and Coding.
ENG 3420 - Engineering Analysis.
COP 4600 - Operating Systems.
COT 4810 - Topics in Computer Science.
Ph.D. Students and Post Doctoral Fellows (a subset)

Marius Adrian Cornea-Hasegan, ``Parallel Algorithms and Methods
for Molecular Replacement,'' March 1994. Marius is a Staff Member
with Intel Corporation, Beaverton, Oregon.

Ioana Maria Boier Martin, ``Data Visualization and Image
Processing with Applications to Structural Biology,'' July 1996.
Ioana is a Research Staff Member and Manager of the Modelling and
Integration Technologies Group in the Industry Solutions
Department at IBM Research, Yortktown Heights.

Kuei Yu Wang, ``Hiding Latency of Paging and I/O in Massively
Parallel Systems,'' July 1996. Kuei Yu is a Senior Engineer with
IBM Poughkeepsee.

Mihai Sirbu. ``The Design of a Metacomputing Environment,'' July
1997. Mihai is now with Telogy Networks, Inc. a subsidiary of
Texas Instruments, Germantown MD.

Ladislau Boloni, ``Contributions to Distributed Objects and
Network Agents,'' April 2000. Ladislau is now an
Associate Professor at University of Central Florida.

Kyungkoo Jun, ``Monitoring and Control of Networked Systems with
Mobile Agents: Algorithms and Applications,'' May 2001. Kyungkoo
Jun is an Assistant Professor, Dept. of Multimedia System
Engineering, University of Incheon, Korea.

Vivek Singh, ``Contributions to Automatic Particle Selections in
Micrographs; Algorithms and Systems,''August 2005. V. Singh is
with Microsoft, Seattle, Washington.

Han Yu, ``Planning and Scheduling in Large Scale Distributed
Systems,'' December 2005. Han Yu is with the Research Division of
Motorola, Schaumburg, Illinois.

Xin Bai, ``Coordination, Matchmaking, and Resource Allocation for
Large-Scale Distributed Systems'', May 2006. Xin is with FactSet
Research Systems Inc. (www.factset.com) in Norwalk, Connecticut.

Dimitri Lebedeev, ``Analytical Models for Performance Analysis of
Wireless Networks,'' September 2006, Ecole Polytechnique, Paris (Rapporteur).

Guoqiang Wang, ``MAC-Layer and Routing Protocols for Wireless
networks with Assymetric Links and Performance Evaluation
studies,'' June 2007. Guoqiang is with Yahoo Co. San
Jose, California.

Feng Lu, ``A Quantum Scheduling Algorithm. Quantum Error
Correction of Time-correlated Errors,'' Decemberr 2007. Feng is
with Citrix Co., Fort Lauderdale, Florida.

Chen Yu, ``Scheduling and Resource Management for Complex
Systems: From Large-Scale Distributed Systems to
Very-Large Sensor Networks,'' December 2009. Chen is with Yahoo Co. San Jose, California.
Post-Doctoral Fellows

Chuang Lin, in our group in the period 1985-87. Chuang got his Ph.D. in 1984 from Academia Sinica, Beijing. Currently Professor and Head of the Computer Sciences Department at Tsinghua University, Beijing, China.

Atsushi Kawabata, in our group in the period 1986-87. Atsushi got his Ph.D. in 1984 from Tokio University. Currently Staff Member at Hitachi Labs, Japan.

Jin Dong, in our group in the period 1987-88. Jin got his Ph.D. in 1987 from Nanjing University. Currently Professor in the Computer Sciences Department at Nanjing University, China

Zhongyung Zhang, in our group in the period 1992--96. Zhongyung got his Ph.D. in 1990 from Academia Sinica, Beijing. Currently Staff Member at Sun Microsystems, Sunnyvale, CA.

K.C. vanZandt, in our group in the period 1996--98. K.C got her Ph.D. from Purdue University in 1984. Currently Instructor in the Computer Sciences Department, Purdue University.

Ruibing Hao, in our group in the period 1998--99. Ruibing got his Ph.D. from Tsinghua University, Beijing, in 1997. Currently with Bell Labs, Lucent.

Hong Lin, in our group in the period January 1998-2000. Hong got his Ph.D. from University of Science and Technology of China, Hefei, in 1997. Currently Assistant Professor, University of Houston.

Yongchang Ji, in our group since August 2000--2005. Yongchang got his Ph.D. from University of Science and Technology of China, Hefei (Anhui), in 1999. Yongchang is now a Manager of the Parallel Processing Laboratory at an Oil Exploration Company in Houston.

Chao Yan, in our group August 2004--August 2005. Chao got his Ph.D. from University of Science and Technology of China, Hefei (Anhui), in 2003. Chao is a Post Doctoral Fellow at New York University (NYU).

Baomin Xu, May 2007 - ; He got his Ph.D from Academia Sinica Beijing, in 2003.