

- ◇ *CMPI Data extraction and Data Integration*: Project is funded by NIH (<http://cmppi.cs.pitt.edu>, <http://dataxs.cs.pitt.edu>).
 - Developed a service that can be used to extract gene arrays from the NCBI database. These arrays are essential in the design of micro-array probes.
 - Taken part in the development of the dataXS platform for management of experimental data.
- ◇ *Grid-Dbx*: A Web-based Debugger of MPI Programs Over Grid Environments. **(June 2003 - April 2004)**
 - The contribution was enabling the Net-dbx parallel debugger to be able to debug Grid based MPI applications on Grid testbeds.
 - Two papers were published in AxGrids'04 and CCGRID'04.
- ◇ *PaCWebS*: Parallel Computing using Web-services **(March 2004 - July 2004)**
 - We have developed a framework to deploy parallel applications written in Java using a Web-services infrastructure.
- ◇ *ActiveUMS*: Unified Messaging System **(June 2003 - July 2004)**
 - Extended the ActiveUMS project with new technologies that include voice recognition and voice composition by integrating existing tools into the architecture.

PUBLICATIONS P. Neophytou, N. Neophytou, P. Evripidou. *Net-dbx-g: A Web-based Debugger of MPI Programs Over Grid Environments*, CCGrid 2004: IEEE International Symposium on Cluster Computing and the Grid, 19-22 April 2004, Pages: 35 - 42.

P. Neophytou, N. Neophytou, P. Evripidou. *Debugging MPI Grid applications using Net-dbx*, AXGrids 2004: European Across Grids Conference, Pages: 139-148.

P. Neophytou, P. K. Chrysanthis, A. Labrinidis. *WhiteBoard P2P: A Peer-to-Peer Approach to Reliable Data Dissemination Infrastructure for Collaborative Applications*, ISYC 2006.

PRESENTATIONS *Net-dbx-g: A Web-based Debugger of MPI Programs Over Grid Environments*, CCGrid 2004: IEEE International Symposium on Cluster Computing and the Grid.

Debugging MPI Grid applications using Net-dbx, AXGrids 2004: European Across Grids Conference.

- WORK EXPERIENCE
- ◇ **Graduate Student Researcher** **(September 2004 - present)**
University of Pittsburgh
Advanced Data Management Technologies Laboratory.
 - Worked on XML-pipes, WhiteboardP2P, CMPI, CellReactorUI
 - ◇ **Teaching Assistant** **(Sept. 2005 - April 2006)**
University of Pittsburgh
 - Courses: Computer Organization and Assembly Language, Secure Data Management and Web Applications.
 - ◇ **Special Scientist** **(June 2003-July 2004)**
University of Cyprus
Pervasive Technologies Lab
 - Worked on Grid-dbx, ActiveUMS and PaCWebs.
 - ◇ **Teaching Assistant** **(September 2003 - May 2004)**
University of Cyprus
Computer Science Department
 - Courses: Database Management Systems, Research Topics in Computer Science, e-Commerce

◇ **Undergraduate Research Assistant** (Sept. 2002 - June 2003)
University of Cyprus
High-performance Computing Lab

- Part of the Cyprus CrossGrid research group (<http://grid.ucy.ac.cy>).
- Did research on Grid Information Services as part of my diploma thesis.

◇ **System Analyst - Developer** (Sept. 2001-May 2002)
University of Cyprus
Computer Science Department

- Participated in a joint project between the CS Dept. UCY and the Cyprus Armed Forces on developing a new system for the Army.
- The project was designed and developed using Oracle tools.
- Received a certificate of appreciation from the Chief of the Armed Forces Gen. Evangelos Florakis.

SERVICES,
ACTIVITIES

- ◇ External Reviewer: ICDCS '06, ICDE '06, VLDB '06, ICDE '07, DISN '07, ICDE '08, EDBT '08, SIGMOD '08.
- ◇ Twice elected as a student representative in the Department of Computer Science Board of the University of Cyprus.
- ◇ IEEE Student Computer Society member for 7 years.