

Javier Delgado

CONTACT INFORMATION	College of Engineering and Computing Florida International University Center for Advanced Technology and Education 10555 W Flagler St, Room 2220 Miami, FL 33174 USA	Voice: (305) 348-4106 E-mail: jdelga06@fiu.edu
RESEARCH INTERESTS	Grid Computing, Parallel Processing, Image Processing, Weather Forecasting, Medical Imaging, Computer-enhanced Collaboration	
EDUCATION	Florida International University , Miami, FL, USA M.S., Computer Engineering (graduation date: Apr. 2007) <ul style="list-style-type: none">• Thesis: A Grid Computing Network Platform for Enhanced Data Management and Visualization• Adviser: Dr. Malek Adjouadi B.S., Electrical and Computer Engineering (graduation date: Dec. 2004)	
AWARDS	2008 Global Cyberbridges Fellowship Award <ul style="list-style-type: none">• Purpose: Enhance collaboration through cyberinfrastructure 2007 Global Cyberbridges Curriculum Completion 2004 IEEE SECON Website Competition <ul style="list-style-type: none">• Second Place AIC (Asociación de Ingenieros Cubanos) Scholarship recipient <ul style="list-style-type: none">• 2002• 2003	
ACADEMIC EXPERIENCE	Florida International University Center for Advanced Technology and Education (CATE) <ul style="list-style-type: none">• Adviser: Dr. Malek Adjouadi• Co-adviser: Dr. S. Masoud Sadjadi <i>Research Assistant</i> Jan. 2005 to present <ul style="list-style-type: none">• Deployed and maintain a 16-node compute cluster and 15-tile mural display• Studied methods of enhancing collaboration between technical researchers and local hospitals• Perform research on grid-enabling existing computationally-intensive scientific applications	
PUBLICATIONS	J. Delgado, M. R. Guillen, M. Lahlou, M. Adjouadi, <i>MIND: A Tiled Display Visualization System at CATE/FIU</i> , IASTED International Conference on Graphics and Visualization in Engineering (GVE 2007), January 3-5, 2007, Clearwater, Florida, USA. J. Delgado and M. Adjouadi. <i>Towards an Efficient and Extensible Grid-Based Data Storage Solution</i> . The IEEE 22nd International Conference on Advanced Information Networking and Applications. To be held Mar. 25-28, Okinawa, Japan.	

Seyed Masoud Sadjadi, Shu Shimizu, Javier Figueroa, Raju Rangaswami, Javier Delgado, Hector Duran and Xabriel Collazo, *A Modeling Approach for Estimating Execution Time of Long-Running Scientific Applications*. Fifth High-Performance Grid Computing Workshop. To be held Apr. 14, 2008, Miami, FL, USA.

S. Masoud Sadjadi, et. al. *Transparent Grid Enablement of Weather Research and Forecasting*. The 15th Mardi Gras Conference. Jan. 30 - Feb. 2, 2008. Baton Rouge, Louisiana, USA.

J. Delgado and M. Adjouadi. *On the Efficacy of Present Grid Computing Software for Deploying a Medical Grid*. 2009 Richard Tapia Celebration of Diversity in Computing. Accepted for publication. Apr. 1 - 4, 2009. Portland, Oregon.

POSTER SESSIONS

J. Delgado and M. Adjouadi. *A Novel Grid-based Data Storage Paradigm*. Poster and Extended Abstract. Presented at the 2nd CAHSI Workshop. December 15-18, 2007. Miami, Florida, USA.

J. Delgado, M. Bright, M. Sadjadi, R. Badia. *Application Profiling and Prediction in the Grid Environment*. Poster presented at the 2008 Latin American Grid Summit. Oct. 30, 2008. Boca Raton, FL.

PRESENTATIONS

J. Delgado and Z. Juan. *How Cyberinfrastructure is Helping Hurricane Mitigation*. Presented at the 2008 Chinese American Networking Symposium (CANS 2008). Oct. 20 - 22. Indiana.

RELATED WORK EXPERIENCE

FIU Center for Diversity in Engineering, Miami, Florida USA

Web Developer

Aug. 2003 to Aug. 2004

- Increased public awareness of youth programs by implementing efficient, elegant, and standards-compliant websites for five separate programs.

Instructor

Jul. 2004 to Aug. 2004

- Taught elementary web design to high school and middle school students.
- Taught basic computer skills to elementary-level English-as-second-language (ESL) students

SERVICE

Webmaster, Association of Cuban-American Engineers (FIU Chapter) ,

- Designed entire website using Xhtml, CSS, and basic ASP
- Office held May 2003 to Jan. 2005

Treasurer, Society of Automotive Engineers (FIU Chapter)

- Office held May 2003 to June 2004

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, Bourne Shell, ProLog, C-sharp, Perl, SQL

Web development: XHTML, CSS2, Javascript, Java Servlets and JSP

Application Environments and Middleware: Globus Toolkit v4, MS Visual Studio, Unix Shell, Eclipse, netBeans

Operating Systems: Linux (mainly Red Hat and Gentoo) and MS Windows 2000 and XP