Mequanint A. Moges, PhD

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EDUCATION

- **PhD** in Computer Communications & Networking, August 2005. Department of Electrical & Computer Engineering, Stony Brook University, Stony Brook, New York.
  Dissertation: **Modeling and Performance Analysis of Arbitrarily Divisible Loads.**
- **M.Eng.Sc.** in Communication Engineering, July 1997, University of New South Wales, Sydney, Australia.
- **B.Sc.** in Electrical Engineering, December 1991, Addis Ababa University, Ethiopia.

EXPERIENCE

02/2015 - Present   Department of Engineering Technology, University of Houston, Houston, Texas
Assistant Chair

09/2011 - Present   Department of Engineering Technology, University of Houston, Houston, Texas
Inst. Associate Professor/Undergraduate Program Coordinator

08/05 – 08/11   Department of Engineering Technology, University of Houston, Houston, Texas
Inst. Assistant Professor

• Undergraduate Teaching:
ELET 1300 - Electrical Circuits I
ELET 1301 - Electrical Circuits II
ELET 3301 – Linear systems Analysis
ELET 3303 - Operational Amplifier Applications
ELET 3403 - Sensors and Applications
ELET 3405 - Microcomputer Architecture
ELET 3425 - Embedded Systems
ELET 4208 – Senior Project Laboratory
ELET 4302 - Data Communication Systems
ELET 4308 – Senior Project
ELET 4315 - Telecommunications
ELET 4421 - Microcomputer Networking

• Graduate Teaching:
TECH 6100 – Seminar in Technology
ELET 6302 – Advanced Wireless Networks
ELET 6318 – Analysis of Data Networks
ELET 6397 – Selected Topics in Network Communications

- Training/Invited Speaker:
  - Voice over Internet Protocol (VoIP) Workshop Instructor UH- ATT Center,
  - Green Technology – EDA Construction Workshop Invited Speaker – TMAC, Houston,
  - Enhancing Student Learning through Group Projects and Technology Symposium, ET Forum, Prairie View A&M University, Prairie View, TX, 2/12/2016.

08/01-07/05   Department of Electrical & Computer Engineering, Stony Brook University, NY
Research Assistant/Teaching Assistant

- Introduced a new scheduling method for measurement and data reporting in sensor networks with applications in battlefields.
- Developed a new mathematical model for performance analysis of parallel and distributed systems using Markov chain models.
- Improved various optimization algorithms applied in the monetary cost analysis of computer networks to include the optimization of energy use of the network.
- Conducted laboratories for Electrical and Computer Engineering students.
- Also assisted in giving lectures, tutoring and grading exams.
- Selected for tutoring courses "*Digital Signal Processing*" and "*Analysis and Synthesis of Communication Networks*" to graduate students at **Northrop Grumman Corporation, USA.**

09/97-07/01   Department of Electrical Engineering, Asmara University, Eritrea
Lecturer

- Taught courses including: *Fundamentals of Electrical Engineering, Electronics, Computer Programming Using C/C++, Signal Processing and Digital & Analog Communication Systems*.
- Supervised several undergraduate student projects.
- Involved in the Design of new Curriculum for the Department of Electrical Engineering.

05/94-01/96   Department of Computer Science, Asmara University, Eritrea
Graduate Assistant

- Taught *Introduction to Computer Programming* and *Computer Applications* and conducted laboratories (FORTRAN, BASIC & C).
- Involved in the maintenance of both hardware and software problems throughout the University.

03/93-03/94   FASTEK Consult Consulting Electrical Engineers, Ethiopia
Consulting Engineer

- Involved in the design of electrical systems of different nature viz. industrial, public etc. as well as low voltage communication systems.
- Supervised various electrical installations of buildings under construction.

02/92-02/93   Building Design Enterprise, Ethiopia
<u>Electrical Engineer</u>

- Designed and supervised various electrical installations of buildings.
- Participated as a team member in the assessment and preparation of bill of quantities.
- Apart from the design work, participated as a member of a professional team for the acceptance of completed building installations.

PROFESSIONAL CERTIFICATION

- *Networking and Wireless Communication* Certificate from the College of Engineering and Applied Sciences, Stony Brook University, USA, in June 2003.
- Training on *School on Data and Multimedia Communications using Terrestrial and Satellite Radio Links* from The International Center for Theoretical Physics, ITALY, in Feb. 2000.

PROFESSIONAL SERVICE

Reviewer:
- NSF Panelist : 2010 - 2015
- Journal of IEEE Transactions on Aerospace & Electronics Systems Soc.
- International Journal of Computers and Mathematics with Applications
- Journal of Computer Science and Technology
- IEEE Wireless Communications and Networking Conference

Book Chapter Review
- Reviewed new text "Electricity and Electronics" from McGraw Hill Publishers
- Reviewed new text "Advanced Circuits" from Thomson Delmar Learning
- Reviewed new text "Embedded System Design with C8051" Delmar Learning

Session Chairman:
- The 2011 Interdisciplinary Conference of AHLiST, May 2011, University of Houston, Houston, TX.
- College of Technology Graduate Research Day, April 2007, University of Houston, Houston, TX.
- IASTED International Conference on Parallel and Distributed Computing Systems (PDCS 2006), Dallas, TX.
- IASTED International Conference on Parallel and Distributed Computing Systems (PDCS 2004), MIT, MA.
- 39th Conference on Information Sciences and Systems, (CISS 2005), The Johns Hopkins University, Baltimore, MD.

ABET Accreditation:
Participated in ABET industry focus group meetings to discuss undergraduate ABET issues in the Department of Electrical and computer Engineering, Stony Brook University, NY.

AFFILIATIONS, AWARDS AND HONOURS

- UH Teaching Excellence award, University of Houston, Texas, USA, 2014.
- Faculty advisor – Smart Energy Micro Grid system (SEMG): Distinguished recognition at the Cornell Cup USA presented by Intel, Lake Buena Vista, FL, USA, 2014.
- Faculty advisor – Jump Shot Analysis (Synergetech): Won a Cornell Cup Media Award, which came with a $1,000 prize at the Cornell Cup USA presented by Intel, Lake Buena Vista, FL, USA, 2014.
- CoT Teaching Excellence Award, University of Houston, Texas, USA, 2013.
- Faculty advisor – Fire Analyzer Robot (FAR): Distinguished recognition at the Cornell Cup USA presented by Intel, Lake Buena Vista, FL, USA, 2013.
- Faculty advisor – Audio(G)Fusion: Distinguished recognition at the Cornell Cup USA presented by Intel, Lake Buena Vista, FL, USA, 2012.
- CoT IEEE Best Faculty Advisor, University of Houston, Texas, USA, 2011.
- CoT Teaching Excellence Award, University of Houston, Texas, USA, 2008.
- NCTT Full Fellowship, SAME-TEC workshop, Austin, TX, July 2008.
- Member, ASEE.
- Member, IEEE and the IEEE Aerospace & Electronics Systems Society.
- Acting Head of Department of Electrical Engineering, Asmara University, 2001.
- Presidential fellowship, Stony Brook University, NY, 2001.
- AUSAID Scholarship, University of New South Wales, Sydney, 1996.

RESEARCH INTERESTS

- Design and Optimization of Wireless Sensor Networks
- Performance Evaluation and Optimization of Computer and Communication Systems
- Job Scheduling in Parallel and Distributed Systems and Computational Grids

RECENT GRANTS

- **Intel Labs – University Collaboration Research 2014**, "Building Intelligence Using Intelligent Systems", **M. Moges** and D. Benhaddou, $**15,000**.
- **Intel Labs – University Collaboration Research 2013**, "Building Intelligence Using Intelligent Systems", **M. Moges** and D. Benhaddou, $**19,976** and **40 Intel ATOM Boards (Each board $500)**.
- **University of Houston – Quality Enhancement Plan (QEP) 2011**, **"Symposium Model for Undergraduate Research"**, F. Attarzadeh, D. Gurkan, **M. Moges** and E. Kwon, $**20,000**.

- **University of Houston – Quality Enhancement Plan (QEP) 2010**, "Research Based Enhancements of CET Program using Emerging Technologies", D. Benhaddou, **M. Moges et.al.** $20,000.
- **University of Houston - Provost's Undergraduate Research Fund - 2009**, "Development of Learning Objects for CLABS Laboratory Equipment using Flash", Justin Loop[*], **M. Moges**, **$1,000**.
- **University of Houston - Summer Undergraduate Research Fund - 2008**, "Monitoring Patients remotely by Utilizing Wireless Communication", Justin Loop[*], **M. Moges**, **$3,300**.
- **NSF-REU (2008)**, "Undergraduate Research in Sensor Networks and Security Infrastructure", H. Malki, X. Yuan, D. Benhaddou, D. Gurkan, F. Attarzadeh, **M. Moges**, G. Song, A. Links, and R. Iyer, **$330,000**.
- **NSF-CCLI (2008)**, "An Innovative Approach to Learning via Peer-to-Peer Undergraduate Mentoring in Engineering Technology Laboratory", F. Attarzadeh, D. Gurkan, **M. Moges**, (Engineering Technology), R. Talusani (HCC) and R. Mehrubeoglu (TAMU-CC), **$199,985**.
- **University of Houston FDIP B (2006)**, "Hybrid Orientation Program for Instructional Excellence - Targeting Teaching Assistants/Fellows and Part-Time Faculty", E. Barbieri, **M. Moges**, V. Gallardo (Engineering Technology) and C. Ramirez, A. Boggiano (Modern & Classical Languages), **$25,000**.

UNDERGRADUATE RESEARCH, ADVISING and AWARDS

- Corey M. et. el, "**Jump Shot Analysis**", Cornell Cup Presented by Intel, 2014, **Media Awards with a $1000 prize.**
- Ayazhan Zhakhan et. el, "**Smart Energy Micro-Grid System (SEMG)**", Cornell Cup Presented by Intel, 2014, **Honorable Recognition.**
- Scott et. el, "**Fire Analyzer Robot (FAR)**", Cornell Cup Presented by Intel, 2013, **Honorable Recognition.**
- Zainab Kaseem and Amir Ali, "**iLOOP**", ASEE-SME Design and Manufacturing Competition, June 2012, **Most Creative Design Award Winner.**
- Jared et. Al, "**Audio(G)Fusion**, Cornell Cup Presented by Intel, 2012, **Honorable Recognition.**
- John Amstadt, CoT-UH, "**Wireless IR Motion Tracking**", NSF- REU 2010.
- Bryan Hill, CoT-UH, "**PSoC-based laser Tracking System**", NSF- REU 2010, **2nd Place Winner** at UH-CoT, Aug. 2010.
- Justin Loop, CoT-UH, "**Wireless Smart Heart Monitoring System**", NSF- REU 2009, **2nd Place Winner** at UH-CoT, Aug. 2009, Also **1st Place winner at ASEE-GSW 2010.**
- Justin Loop, CoT-UH, "**Project ExoGlove**", Featured **on UH Moment-KUHF-FM**, Feb 2010.
- Justin Loop, CoT-UH, "M**onitoring Patients Remotely by Utilizing Wireless Communications**", SURF – 2008, **Prize Winner – UH Undergraduate Research Day, Oct. 2008.**
- Gary Rubendal, CoT-UH, "**Telecommunication design Based on T1/T3/SONET**" Participated in ASEE-GSW 2008 competitions.
- Joshua Schwartz, Western Carolina University, "**PSoC Design – Digital Thermometer**", NSF-REU 2008.
- Trateshia Mack, Prairie View A&M University, "**Incorporating the PSoC into an Electronic Stethoscope Design**", NSF- REU 2008.

PROFESSIONAL DEVELOPMENT

- **Hacking Mobile Systems,** Summer Working Connections, Collin County Community College, Frisco, TX, Jul. 13th – 20th, 2015.
- **Using Project Management to Create Your Self Study & Prepare for the Visit,** 2015 ABET Symposium, Atlanta, GA, Apr. 18th – 29th, 2015.
- **Developing and Teaching a Science of Information Course or Module,** University of California San Diego, Aug. 4th – 8th, 2014. (NSF Supported)
- **ARM Microcontroller Workshop,** North Seattle College, Jun. 27th – 28th, 2014. (NSF Supported).
- **Dissemination of Microprocessor Courses through Classroom and Interactive Cyber-Enabled Technologies**, Wayne State University Distance Training Workshop, July 10-12, 2013. (NSF supported)
- **Summer Sustainability Institute**, Portland, Oregon, July 9-11, 2012. (NSF and Department supported)
- **National Institute for Faculty Equity- Minority Faculty Development Workshop: Engineering Enterprise and Innovation**, Atlanta, GA, March 15-18, 2012.
- **Intel embedded Research & Education Summit**, Chandler, AZ, Feb. 22 – 24, 2012.
- **Summer Sustainability Institute**, Portland, Oregon, July 12-16, 2010. (NSF and Department supported)
- **Workshop on Advanced Plasma and RF Measurement,** Normandale CC, Bloomington, MN, May 19 – 21, 2010. (NSF Sponsored)
- **UH Effective Teaching Practices Showcase,** Rockwell Pavilion, MD Anderson Library, Houston, **April 22, 2010.**
- Mobile Learning - **MLearning Workshop**, UH, Houston, April 16, 2010.
- Faculty Forum on the Center for Teaching Excellence: **Next Steps?,** Houston Room, University Center, Houston, April 15, 2010.
- Attended faculty workshop "**WebCT Vista Training**", ETUO, UH, Houston, 2006.
- Faculty Forum: "**Developing a Center for teaching Excellence" University Center**, UH, Houston, Nov. 2009.
- Workshop on "**Communicating Your Expectations**", UH Writing Center, Houston, Oct. 2009.
- **Green IT summit**, Plano, Texas, Nov. 2008.
- Awarded Full Fellowship by the national Center for Telecommunications technologies (NCTT) to attend the SAME-TEC **Advanced Technological Education Conference**, Austin, Texas, July 28-31, 2008.
- Attended an undergraduate faculty enhanced workshop on "*Distance Learning & Remote Controlled Laboratories*", QCC, NY, July 2007. (NSF Sponsored)

BOOKS

From **ProQuest / UMI Publisher**
Mequanint A. Moges, "Modeling and Performance Analysis of Arbitrarily Divisible Loads for Sensor and Grid Networks**"** (Paperback), Ann Arbor, MI, March 2006, 178 pages.

SELECTED JOURNAL PUBLICATIONS

[1] **M. A. Moges**, D. Yu and T. G. Robertazzi, "Grid Scheduling Divisible Loads from Two Sources", International Journal of Computers with Mathematics Application, Vol. 58, pp. 1081-1092, 2009.

[2] **M. A. Moges** and Thomas G. Robertazzi, "Wireless Sensor Networks: Scheduling for Measurement and Data Reporting", IEEE Transactions on Aerospace and Electronic Systems, Vol. 42, No. 1, pp. 327-340, January 2006.

[3] **M. A. Moges** and Thomas G. Robertazzi "Divisible Load Scheduling and Markov Chain Models", International Journal of Computers with Mathematics Application, Vol. 52, pp. 1529 – 1542, 2006.

SELECTED CONFERENCE PRESENTATIONS

[1] T. Alexander, E. Brass, E. Diaz, R. Freas, R. Reyes and **M. Moges** "Low Cost Foolproof Medicine Dispensing System," Proceedings of the 2016 ASEE Gulf-Southwest Annual Conference, Texas Christian University, March 06-08, 2016, Fort Worth, Texas.

[2] G. Reyes, M. Jilani, A. Nguyen, M. Basharat, J. Farfan and **M. Moges** "Enhanced Wireless Data Transmission using LED Modulation," Proceedings of the 2016 ASEE Gulf-Southwest Annual Conference, Texas Christian University, March 06-08, 2016, Fort Worth, Texas.

[3] P. Gomez, E. Hernandez, R. Nannethie, G. Rodriguez and **M. Moges** "UAV Based Damage Detection System across Power Transmission Lines," Proceedings of the 2016 ASEE Gulf-Southwest Annual Conference, TCU, March 06-08, 2016, Fort Worth, Texas.

[4] A. Smith, J. Leung, R. Myers, S. Reyes and **M. Moges** "Interactive Home Automation System for Efficient Utilization of Energy," Proceedings of the 2016 ASEE Gulf-Southwest Annual Conference, Texas Christian University, March 06-08, 2016, Fort Worth, Texas.

[5] B. Eutsler, J. Gaertner, E. Pollino, N. Robinson, S. Tadimeti, K. Yerrabandi and **M. Moges** "Virtual Reality Glove," Proceedings of the 2015 ASEE Gulf-SouthWest Annual Conference, The University of Texas at San Antonio, March 25-27, 2015, San Antonio, Texas.

[6] Zainab Kaseem, Falon Dostal, Jordan Harper, Corey Miles and Katherine Martinez, "Jump Shot Analysis", Cornell Cup USA, presented by Intel, Walt Disney World, Lake Buena Vista, FL 2014. **Won Media Awards with a $ 1000 prize**.

[7] Ayazhan Zhakhan, Reimberto Fuentes and Joshua Lopez , "Smart Energy Micro-Grid System (SEMG)", Cornell Cup USA, presented by Intel, Walt Disney World, Lake Buena Vista, FL 2014. **Distinguished Recognition Award**.

[8] Scott Batchelder, Harsh Bhasin, Daniel Martin and Deyan Mitev, "Fire Analyzer Robot (FAR)", Cornell Cup USA, presented by Intel, Walt Disney World, Lake Buena Vista, FL 2013. **Distinguished Recognition Award**.

[9] Xavier Mirza*, Amir Ali*, Thomas Reyes*, Jonathan Zea* and **Mequanint Moges**, "Harvesting Energy using Piezoelectric Materials for a Pacemaker," Proceedings of the 2013

ASEE Gulf-Southwest Annual Conference, The University of Texas at Arlington, March 21-23, 2013, Arlington, Texas.

[10] Andrew Dahdouh*, Luca Pollonini, **M. Moges**, "An integrated ear-mounted sensor for pulse oximetry and electrocardiography measurements" First IEEE Healthcare Technology Conference: Translational Engineering in Health & Medicine, Methodist Hospital Research Institute, Houston, TX 2012.

[11] Amir Ali*, Luca Pollonini, **M. Moges**, "A Sensing System for Real Time Detection of Upper GI Endoscope Loops" First IEEE Healthcare Technology Conference: Translational Engineering in Health & Medicine, Methodist Hospital Research Institute, Houston, TX 2012.

[12] Amir Ali*, Luca Pollonini, **M. Moges**, "The iLOOP Project" The American Society for Engineering Education and Society of Manufacturing Engineers (ASEE – SME) Third Annual Design and Manufacturing Competition, San Antonio, TX 2012. **Most Creative Design Award.**

[13] Jared Gaertner*, Ruben Gomez*, Paul Maicah*, Chris Valdez*, Nick Nowlin and **M. Moges**, "Audio(G) Fusion", Cornell Cup USA, presented by Intel, Walt Disney World, Lake Buena Vista, FL 2012. **Distinguished Recognition Award**. (This group represented IEEE-CoT).

[14] Farrokh Attarzadeh, Deniz Gurkan, **Mequanint Moges**, Miguel Ramos, "Mentor Training Program for a Peer-to-Peer Learning Environment: Leadership vs. Curriculum Balance," 118th ASEE Annual Conference and Exposition, June 26-29, 2011, Vancouver, B.C., Canada.

[15] Farrokh Attarzadeh, Deniz Gurkan, **Mequanint Moges**, Miguel Ramos, "NSF Grantee Presentation: Challenges of Implementing a Peer Mentoring Program to Support STEM Learning," 118th ASEE Annual Conference and Exposition, June 26-29, 2011, Vancouver, B.C., Canada. (Poster Presentation)

[16] **M. Moges**, D. Benhaddou, V. Gallardo and F. Attarzadeh, "PSoC-Based Alternative Project Design Solutions for Undergraduate ET Laboratories," Proceedings of the 2011 ASEE Gulf-Southwest Annual Conference, University of Houston, March 9-11, 2011, Houston, Texas.

[17] D. Benhaddou, **M. Moges** et.al, "Research Based Enhancements of CET Program using Emerging Technologies," Proceedings of the 2011 ASEE Gulf-Southwest Annual Conference, University of Houston, March 9-11, 2011, Houston, Texas.

[18] B. Hill*, J. Amstadt* and **M. Moges**, "Wireless Motion Tracking and Laser Guidance," Proceedings of the 2011 ASEE Gulf-Southwest Annual Conference, University of Houston, March 9-11, 2011, Houston, Texas.

[19] Farrokh Attarzadeh, Deniz Gurkan, **Mequanint Moges**, Miguel Ramos, Victor Gallardo, Shruti Karulkar, "Advances in CLABS Methodology for Engineering Technology Laboratories," Proceedings of the 2010 ASEE Gulf-Southwest Annual Conference, McNeese State University, March 24-26, 2010, Lake Charles, Louisiana.

[20] **M. Moges**, F. Attarzadeh, D. Gurkan, M. Ramos, V. Gallardo, S. Karulkar, R. Talusani and M. Mehrubeoglu, "Expanding the Quality of Mentoring Programs for Undergraduate Students – Observations and Challenges," Proceedings of the 2010 ASEE Gulf-Southwest Annual Conference, McNeese State University, March 24-26, 2010, Lake Charles, Louisiana.

[21] Justin Loop, **Mequanint Moges**, "SMART HEART MONITORING SYSTEM," Proceedings of the 2010 ASEE Gulf-Southwest Annual Conference, McNeese State University, March 24-26, 2010, Lake Charles, Louisiana. *(paper/poster presentation – first place winner).*

[22] Sergio Chacon, Driss Benhaddou, **Mequanint Moges**, "THE UH-ATT LAB: STATE OF THE ART TRAINING CENTER FOR COMMUNICATIONS," Proceedings of the 2010 ASEE Gulf-Southwest Annual Conference, McNeese State University, March 24-26, 2010, Lake Charles, Louisiana.

[23] **M. Moges**, X. Yuan and D. Benhaddou, "Building Toward the Integration of PSoC and Bio-Medical Instrumentation", Proceedings of 2009 ASEE annual conference and Exposition, June 14 – 17, 2009 Austin, TX, USA.

[24] J. DiTraglia, **M. Moges** and X. Yuan, "Design of a Continuous Monitoring and Tracking System Based on Wireless Sensor Network", Proceedings of 2009 ASEE annual conference and Exposition, June 14 – 17, 2009 Austin, TX, USA.

[25] D. Gurkan, F, Attarzadeh, **M. Moges** and V. Gallardo, "Results of an Innovative approach to Learning Via peer-to-Peer Undergraduate Mentoring in Engineering Technology laboratories", NSF Grantee Presentation, Proceedings of 2009 ASEE annual conference and Exposition, June 14 – 17, 2009 Austin, TX, USA.

[26] F, Attarzadeh, D. Gurkan, M. Ramos, **M. Moges,** V. Gallardo, M. Mehrubeoglu, R. Talusani, S. Karulkar "Perception of Undergraduate Freshman Students on Role Models and Correlation with Their Education Background", Proceedings of 2009 ASEE annual conference and Exposition, June 14 – 17, 2009 Austin, TX, USA.

[27] J. Shen, H. Liu, X. Yuan and **M. Moges**, "STDAS: Sensing Task and Data Aggregation Scheduling for Astronaut Health Monitoring using Wireless Mesh Networks", IEEE Engineering in Medicine and Biology Society, August 2008, Vancouver, British Columbia, Canada.

[28] V. Gallardo, **M. Moges,** E. Barbieri, A. Boggiano and C. Ramirez, "Development and Assessment of Online Modules for Hybrid Orientation Program", Proceedings of the 2008 ASEE GSW annual conference, March 26-28, 2008 Albuquerque, New Mexico, USA.

[29] S. Chacon and **M. Moges**, "Project Based Learning in Telecommunications: An Approach to Teaching New Technologies", Proceedings of the 2008 ASEE GSW annual conference, March 26-28, 2008 Albuquerque, New Mexico, USA.

[30] G. Rubendall, S. Chacon and **M. Moges**, "Telecommunication Design Based on T1/T3/SONET", ASEE GSW annual conference, March 26-28, 2008 Albuquerque, New Mexico, USA (poster presentation).

[31] H. Liu, J. Shen, X. Yuan and **M. Moges**, "Performance Analysis of Data Aggregation in Wireless Sensor Mesh Networks", Earth and Space 2008 conference, March 2008, Long Beach, CA, USA.

[32] **M. Moges**, X. Yuan and Haoying Liu, "Integrating Recent Advances in Sensor Network into Undergraduate Curriculum via Hybrid Deliveries of Lecture and Laboratory", Proceedings of 2007 ASEE annual conference and Exposition, June 24 – 27, 2007 Honolulu, Hawaii, USA.

[33] H. Liu, X. Yuan and **M Moges**, "An Efficient Scheduling Method for Improved Network Delay in Distributed Sensor Network", IEEE/Creat-Net 3rd International Conference on Test-beds and Research Infrastructures for the Development of Networks and Communities (TridentCom'07) Orlando, Florida, May 2007.

[34] **M. Moges**, V. Gallardo, E. Barbieri, A. Boggiano and C. Ramirez, "Development of Hybrid Orientation Program for Instructional Excellence", Proceedings of the 2007 ASEE GSW annual conference, March 28-30, 2007 South Padre Island, Texas, USA.

[35] H. Liu, X. Yuan and **M. Moges**, "An Efficient Scheduling Algorithm for Pervasive Wellness and Disease Management System", HSEMB 2007, Mini-Symposium for Digital Health Care, Houston, Texas, Feb. 2007.

[36] X. Yuan and **M.A. Moges**, "Integrated Scheduling Algorithm for Sensor Networks Based on Divisibility Theory", Proceedings of the 18th IASTED International Conference on Parallel and Distributed Computing and Systems, **PDCS 2006,** November 13-15, **2006** Dallas, Texas, USA.

[37] X. Yuan and **M.A. Moges**, "Integrated Scheduling Algorithm for Personalized Disease Management Applications", 28th IEEE Engineering Medicine and Biology Society, EMBC, Annual International Conference, NY, 2006.

[38] **M. A. Moges** and T. G. Robertazzi, "Modeling for Integration of Divisible Load Theory and Markov Chains", 39th Conference on Information Sciences and Systems, The Johns Hopkins University, 2005.

[39] **M. A. Moges**, D. Yu and T. G. Robertazzi, "Divisible Load Scheduling with Multiple Sources: Closed Form Solutions", 39th Conference on Information Sciences and Systems, The Johns Hopkins University, 2005.

[40] **M. A. Moges**, D. Yu and T. G. Robertazzi, "Grid Scheduling Divisible Loads from Multiple Sources via Linear Programming", Proceedings of the 16th IASTED International Conference on Parallel and Distributed Computing and Systems (PDCS 2004), November 9-11, 2004, MIT, MA, USA. (*Nominated for Best Paper Award*).

[41] D. Yu, **M. A. Moges**, J. Lauret, T. G. Robertazzi and G. Carcassi, "Divisible Load Scheduling for STAR Grid Computing", Conference on Computing in High Energy and Nuclear Physics (CHEP'04) conference, Interlaken, Switzerland**,** September 2004 (Poster Session).

[42] **M. A. Moges** and T. G. Robertazzi, "Load Scheduling for Measurement and Data Reporting in Wireless Sensor Networks", Proceedings of the 38th Conference on Information Sciences and Systems, Princeton University, March 2004.

[43] **M. A. Moges**, L.A. Ramirez, F, Gamboa and T. G. Robertazzi, "Monetary cost and energy use optimization in divisible load processing", Proceedings of the 38th Conference on Information Sciences and Systems, Princeton University, 2004.

[44] **M. A. Moges** and T. G. Robertazzi, "Divisible Load Scheduling and Markov Chain Models", Proceedings of the 37th Conference on Information Sciences and Systems, The Johns Hopkins University, 2003.