

Name:

Koji Hirano

Education:

- Doctor of Engineering degree in Electrical Engineering, Lamar University, Beaumont, Texas; 2014
- Master of Science degree in Mathematics concentrating in Statistics, University of Texas at San Antonio, San Antonio, Texas; 1996
- Master of Science degree in Computer Science, Florida Institute of Technology, Melbourne, Florida; 1988.
- Master of Engineering degree in System Engineering, Oita University, Oita, Japan; 1985.
- Bachelor of Engineering degree in System Engineering, Oita University, Oita, Japan; 1983.

Academic Experience:

- 1997 – 2003. Instructor for EEL3801L: “Introduction to Computer Engineering”; University of Central Florida, Orlando, FL.
- 1997 – 2003. Instructor for ENG3210: “Engineering Analysis and Design”; University of Florida, Orlando, FL.
- 2007 – present. Instructor for ELEN1301: “Introduction to Computers & Programming”; Lamar University, Beaumont, TX.
- 2009 – present. Instructor for ELEN1100: “Introduction to Electrical Engineering”; Lamar University, Beaumont, TX.
- 2013. Instructor for ELEN2411: “Circuits I”; Lamar University, Beaumont, TX.

Non-Academic Experience:

- 2003 – 2008. Director; NetMax, Ltd. Fukuoka, Japan.

Certifications or Professional Registrations:

- N/A.

Current membership in Professional Organizations:

- 2007 – present. Member of IEEE.
- 2009 – present. Treasurer of IEEE Region 5, Beaumont Section.

Honors and Awards:

- Received “GTA of the Semester” award (Graduate Teaching Assistant) University of Central Florida, Fall 1997.
- Named to “Who’s who in American Universities and Colleges”, 1998.
- Named to “Who’s who in American Universities and Colleges”, 2011.

ServiceActivities:

- N/A.

PrincipalPublicationsoflastfiveyears:

- “Signal Processing with Memristor”, Presented at IEEE Beaumont Section technical meeting at Lamar University on November 26, 2013.
- “Memristor: The Fourth Fundamental Electrical Element”, Presented at IEEE Beaumont Section technical meeting at Lamar University on November 14, 2012.
- “A Visual Information Aided Multi-Media Ranking Technique”, Presentation at LSRO.

ProfessionalDevelopmentActivities:

- Attended “Boeing Technical and Research Discussions”, by Don Farr – IEEE Beaumont Section Technical Meeting at Lamar University on March 2, 2015.
- Attended “MEP Consulting Engineer”, by Karl Marshall – IEEE Beaumont Section Technical Meeting at Lamar University on February 19, 2015.
- Attended “Flywheels as Accumulators of Energy”, by Dr. Andrey Beyle – IEEE Beaumont Section Technical Meeting at Lamar University on December 2, 2014.
- Attended “The Journey”, by Rena Clark – Distinguished Engineering Alumni Seminar on October 28, 2014.
- Attended “Power Quality and Low-Frequency EMC in Smart Grid”, by Dr. Mohammedreza Barzegaran – IEEE Beaumont Section Technical Meeting at Lamar University on October 24, 2014.
- Attended a “New Blackboard Features”, by Dr. Kyehong Kang – The Center for Distance Education: Fall Workshop on October 14, 2014.
- Attended an “Intellectual Property and Technology Transfer”, by Dr. Peter Kelleher – The Center for Teaching and Learning Enhancement on October 3, 2014.
- Attended an “Introduction to Blackboard”, by Mr. Kyle Boudreaux – The Center for Distance Education: Fall Workshop on September 9, 2014.
- Attended a “Thesis and Dissertation Workshop”, by Ms. Niki Contreras – Editor- College of Graduate Studies at Lamar University on February 19, 2014.

- o Attended a “Broadcast Digital Television in the United States: HDTV/ATSC”, by Dr. Harley R. Myler – IEEE Beaumont Section Technical Meeting at Lamar University on December 3, 2013.
- o Attended a “Providing Equal Access in Classrooms”, by Mr. Johnny Jarrell – Faculty Training Session at Lamar University on December 2, 2013.
- o Attended a “Embedded System Design and Multimedia Signal Processing”, by Dr. Jianling Hu – IEEE Beaumont Section technical meeting at Lamar University on November 8, 2013.
- o Attended a “Energy: An Engineering Frontier”, by Dr. Michael Nikolaou – Chemical Engineering Seminar at Lamar University on September 23, 2013.
- o Attended a “21st Century Classroom Demonstration”, – Faculty Training Session at Lamar University on September 5, 2013.
- o Attended a “On the Design of MultiCopters”, by Mr. Darren Latil – IEEE Beaumont Section technical meeting at Lamar University on March 7, 2013.
- o Attended a “Dynamic Threshold Technique for Mitigation of Single Event Soft Errors”, by Dr. Selahattin Sayil– IEEE Beaumont Section technical meeting at Lamar University on November 28, 2012.
- o Attended a “An Overview of LU EEG-Lab Research Initiatives”, by Dr. Gleb Tcheslavski – IEEE Beaumont Section technical meeting at Lamar University on November 7, 2012.
- o Attended a “Engineering and Law” by Dr. Hashemian – Lamar University All College of Engineering Seminar on October 23, 2012.
- o Attended a “21st Century Classroom Demonstration: Demonstrations for Connected Educators by Polyvision, Flipped Classrooms for 21st Century Learning Interactive Whiteboards, Visualizers and Document Cameras” on September 5, 2012.
- o Attended a “Faculty Development Workshop: Classroom Interventions to Stop Attrition” on April 25, 2012.
- o Attended the “Don't Open the Gate: An Analysis of Problems in the Ever-shrinking Realm of Microelectronics” & “A Primer for Digital Signal Processing Techniques in Brain Computer Interface Applications” – IEEE Beaumont Section technical meeting at Lamar University on April 17, 2012.
- o Attended the “Plug-in America” – IEEE Beaumont Section technical meeting at Lamar University on November 18, 2011.
- o Attended the “On the design of MultiCopters” – IEEE Beaumont Section technical meeting at Lamar University on September 1, 2011.
- o Attended the “Untapped potential of capacitors with asymmetry and Understanding mathematical models describing vibration based induction

generators for energy harvesting” – IEEE Beaumont Section technical meeting at Lamar University on March 31, 2011.

- o Attended the “Who can be a Control or Instrumentation Engineer?” – IEEE Beaumont Section technical meeting at Lamar University on December 3, 2010.
- o Attended the “How Electrical Engineers fit into the energy Industry” – IEEE Beaumont Section technical meeting at Lamar University on October 29, 2010.
- o Attended the “Current State of Johnson Space Center” – IEEE Beaumont Section technical meeting at Lamar University on April 9, 2010.
- o Attended the “Introduction to Microelectronic Packaging and Microsystems” – IEEE Beaumont Section technical meeting at Lamar University on October 29, 2009.
- o Attended the “IEEE Student branch report” – IEEE Beaumont Section technical meeting at Lamar University on October 28, 2009.
- o Attended the “Expansion of Internet into space and Interplanetary Internet” – IEEE Beaumont Section technical meeting at Lamar University on April 24, 2009.