



2015—Giffet Events

DECEMBER

December, 2015, Chao, W., Luping, X., Hua, Z., Wenbo, Z., "Code acquisition method based on wavelet transform filtering," J. Sys. Eng. & Elec., vol. 26, no. 6, pp. 1169-1176, Dec. 2015, DOI: <http://dx.doi.org/10.1109/JSEE.2015.00127>. This is Dr. @ilirprogri_pb 210th recognition.

NOVEMBER

No events yet!

OCTOBER

No events yet!

SEPTEMBER

September, 2015, Baccar, N., and Bouallegue, R., "Intelligent type 2 fuzzy-based mobile application for indoor geolocalization," in Proc. 23rd International Conference on Software, Telecommunications and Computer Networks (SoftCOM), 2015, Split, Croatia, pp. 165-169, Sept. 2015. This is Dr. @ilirprogri_pb 209th recognition.

September, 2015, Hernández, M.Á.O., "Análisis y diseño de un sistema de localización y monitoreo para Guayaquil utilizando tecnología TDOA de espectro ensanchado," Ingeniería en Telecomunicaciones con Mención en Gestión Empresarial en Telecomunicaciones, Universidad Católica de Santiago de Guayaquil, Guayaquil, Ecuador, 86 pg., 2015, URL: <http://repositorio.ucsg.edu.ec:8080/bitstream/123456789/3934/1/T-UCSG-PRE-TEC-ITEL-107.pdf>. This is Dr. @ilirprogri_pb 208th recognition.

September 25, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended the steering committee meeting of the 10th International Symposium on Medical Information and Communication Technology (SIMICT 2016), 2016 at 100 Institute Road, Atwater Kent Labs, WPI, Worcester, MA 01609 at 12:00 Noon. At this SIMICT, Dr. @ilirprogri is a member of the steering committee, local arrangement chair, publications and patrons chair. He is overseen the sponsorship, registration and pricing strategy, hotels, submitting a tutorial proposal, and social events.

September 2015, Wang, D., Ghannouchi, F.M., Ding, Y., and Kwan, A., "70% energy saving in wireless positioning systems: non-data-bearing OFDM transmission replaces non-pulse-shaping PN transmission," IEEE Sys. J., vol. 9, no. 3, pp. 664-674, Sep. 2015, doi: 10.1109/JSYST.2013.2265186. (33rd IEEE Trans./Mag.). This is Dr. @ilirprogri_pb 207th recognition.

September 16, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous Seminar: "Developing measurement and analysis systems with Keysight and



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MathWorks” at MathWorks headquarters 3 Apple Dr., Natick, MA. This was a fabulous opportunity to meet with MathWorks and Keysight sales managers and discuss sponsorship opportunities with both MathWorks and Keysight for Giffet landmark indoor geolocation systems library.

AUGUST

No events yet.

JULY

July 2015, Xu, J., Hu, L., Ma, Z., Xu, L., Dong, L., and Yu, Z., “Methodology on measuring dynamic performance of satellite navigation signal simulator,” 12th IEEE Inter. Conf. on Electr. Meas. & Instr. (ICEMI) 2015, vol. 03, pp. 1188-1192, July 2015, .DOI: <http://dx.doi.org/10.1109/ICEMI.2015.7494467>. This is Dr. @ilirprogri_pb 206th recognition.

JUNE

June 2015, Li, Y., and Zhang, J., “Real-time error registration algorithm and analysis based on the SINGER model,” Sys. Eng. Elec., vol. 37, no. 6, 4 pg., Jun. 2015, DOI: 10.3969/j.issn.1001-506X.20115.06.05. This is Dr. @ilirprogri_pb 205th recognition.

June 2015, Zhu, X., Wu, Y., Gong, H., Liu, W., and Wang, F., “GNSS timing receiver toughen technique in complicated jamming environments,” J. Nat. Univ. Def. Tech., vol. 37, no. 3, 20 pg., Jun. 2015. This is Dr. @ilirprogri_pb 204th recognition.

MAY

*May 20, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous SEMINAR: 2015 PADS World Tour: Built for the Challenge Start Time: 9:30am – 2:30pm ***Registration started at 9:00am*** LOCATION: Trilogic Two Highwood Drive, Suite 202 Tewksbury, MA 01876. This was a wonderful opportunity to learn about Pads Design tools such as Pads Standard, Standard Plus, and Professional. Lunch was also provided courtesy of Trilogic.*

May 19, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous Mentor PCB Forum at Westford Regency Inn & Conference Center 219 Littleton Rd. Westford, MA 01886. This was a wonderful opportunity to learn about the adoption of the Xpedition Vx. Agenda: 8:30 AM – 9:00 AM Registration/Breakfast 9:00 AM – 9:30 AM introduction/VX.1 customer experience 9:30 AM – 10:30 AM xDX designer VX.1 with tips and tricks 10:30 AM – 11:00 AM Break 11:00 AM – 11:45 AM Constraint Manager VX.1 with Tips and Tricks 11:45 AM – 12:30 PM Hyperlinks Power Integrity and DRC 12:30 PM – 1:30 PM [An exceptionally good] Lunch 1:30 PM – 2:00 PM Accelerating Adoption—Planning and Implementation Guide 2:00 PM – 2:45 PM xPCB Layout—Mastering and Innovations

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2:45 PM – 3:00 PM Break 3:00 PM – 4:45 PM xPCB Layout—Mastering and Innovations 4:45 PM – 5:30 PM Network Reception.

May 14, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous SEMINAR: 2015 PADS World Tour: Built for the Challenge at CADD Edge, Inc. New Technology & Innovation Team-ECAD 241 Boston Post Road West 2nd Floor, Marlborough, MA 01752. This was a wonderful opportunity to learn about Pads Design tools such as Pads Standard, Standard Plus, and Professional.

May 13, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous seminar on Event Name: EMC Testing and Technical Solutions Seminar Location : Chelmsford, MA - Radisson Hotel and Suites 10 Independence Drive Chelmsford, Massachusetts @Keysight Keysight Technologies. EMC is a key design element and can be costly and time consuming to the product development process. This 5-hour seminar discussed testing methods and standards for specific industries, including automotive, commercial, telecom, medical and Mil-standard. We will discuss key attributes of receivers and antenna chambers and take a deeper look at the design of EMI and EMS systems for the market segments mentioned above. This informative seminar will provide necessary information to meet EMC standards in your designs. This seminar was a fabulous opportunity to learn about: (1) EMC Basics; Overview of standards; Fundamentals of antenna chambers; (2) EMC Receiver Architecture; (3) Compliance, Pre-compliance; (4) Design of EMI and EMS Systems by Market; Automotive; Telecommunications ; Mil-Standard; Commercial; Medical; and (5) A wonderful Demo by @Keysight on Compliance and Pre-compliance Spectrum Analyzer. At the event a wonderful complimentary lunch was provided.

May 12, 2015, Niu, L., and Song, Y., "A survey of indoor positioning technology from dual aspects in the emergency responding," Inter. J. Emerg. Manag., vol. 11, no. 1, 13 pg., May 2015. This is Dr. @ilirprogri_pb 203rd recognition.

*May 12, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous seminar on RF Tour Workshop 1 (morning): RF Signal Hunting at Radisson Hotel and Suites 10 Independence Drive Chelmsford, MA 01824, sponsored by @tektronix. This seminar was a fabulous opportunity to learn about many exciting features of spectrogram and the portable real time spectrum analyzer RSA306. During the seminar Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President had an excellent discussion with participants about the possibility of various implementation of his algorithms on *Geolocation of RF Signals—Principles and Simulations* with the RSA306.*

May 6, 2014, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous seminar on Design, Analysis, and Testing Techniques Using MATLAB and Simulink at The Newton Marriott 2345 Commonwealth Ave Newton, MA 02466, sponsored by The MathWorks @MATLAB. This seminar was a fabulous opportunity to learn about: (1)

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Acquiring, Analyzing, and Visualizing Data with MATLAB Overview, discussions, and demos of analyzing and visualizing data in MATLAB R2014a Interfacing MATLAB to data acquisition devices, cameras, and instruments for signal stimulus and analysis Discussion – Designing and verifying communication systems with live LTE signals Live demonstrations of MATLAB for data analysis, acquiring live data, generating reports, and building MATLAB apps; (2) demonstrations and discussions with engineers from Analog Devices, MathWorks, and Teledyne LeCroy; (3) Designing, Simulating, and Testing Real-time Systems with Simulink Building models of mechanical, electrical, and control software components using Simulink R2014a Using models to optimize component designs against system requirements Live demonstrations on simulating the controller with the plant Hardware-in-the-loop and rapid control prototyping.

APRIL

April 29, 2015, Bora, L., "Ground beacons to enhance lunar landing autonomous navigation architectures," M.S. Thesis, Space Engineering, Engineering School of Industrial and Information, Politecnico di Milano, Milano, Italy, Apr. 2015, https://www.politesi.polimi.it/bitstream/10589/107695/1/2015_04_BORA.pdf. This is Dr. @ilirprogri_pb 202nd recognition.

April 29, 2015, Shebaro, B., Oluwatimi, O., and Bertino, E., "Context-based access control systems for mobile devices," IEEE Trans. Depen. Secure Comp., vol. 12, no. 2, pp. 150-163, Apr. 2015. (32nd IEEE Trans./Mag.). This is Dr. @ilirprogri_pb 201st recognition.

April 29, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous Lunch and Learn Event: DFM and NPI tools for the Allegro PCB design environment courtesy of @Mentor_Graphics or @MentorPCB, Courtyard Marriott 30 Industrial Avenue East Lowell, Massachusetts 01852. This was an outstanding opportunity to learn about Valor and : DFM and NPI tools. A delicious, free lunch was also provided courtesy of @Mentor_Graphics or @MentorPCB. A demonstration of the Valor best-practice new product introduction flow in the context of the Cadence Allegro Designer tool such as: (1) design for manufacturing analysis and optimization; (2) preparing manufacturing-ready data for fast process-preparation; (3) coordinating DFM rules with manufacturers.

April 28, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous Lunch and Learn Event: DFM and NPI tools for the Allegro PCB design environment courtesy of @Mentor_Graphics or @MentorPCB, Mentor Graphics Office 300 Nickerson Road Marlborough, MA 01752. This was an outstanding opportunity to learn about Valor and : DFM and NPI tools. Lunch was also provided courtesy of @Mentor_Graphics or @MentorPCB.

April 19, 2015, Wu, C., Xu, L.-P., Zhang, H., and Zhao, W.-B., "A block zero-padding method based on DCFT for L1 parameter estimations in weak signal and high dynamic

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environments," *Frontiers Info. Tech. & Electro. Eng.*, 11 pg., Apr. 2015, doi: 10.1631/FITEE/1500058. *This is Dr. @ilirprogri_pb 200th recognition.*

April 2, 2015, Gan, X., Yu, B., Chao, L., and Liu, S., "The development, test and application of new technology on Beidou/GPS dual-mode pseudolites," in Proc. China Satellite Navigation Conference (CSNC) 2015: vol. I, Lect. Notes Elect. Eng. vol. 340, pp 353-364, Apr. 2015. This is Dr. @ilirprogri_pb 199th recognition.

MARCH

March 25, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous virtual annual @MATLAB MathWorks conference [http://engage.vevent.com/index.jsp?eid=3390&seid=15] with sponsors from COMSOL, EUTech Scientific Engineering, Polarion, United Electronic Industries. The MATLAB Virtual Conference was an outstanding opportunity to get the most out of MATLAB® and Simulink® for technical computing and Model-Based Design. This free event offered four tracks covering all experience levels: (1) Keynote Speaker Chris Hayhurst Director, Consulting Services MathWorks: "Behind Today's Trends: The Technologies Driving Change" and Edward V. Byrns, Jr. Chief Technology Officer Munich Re Trading LLC "A Technology Platform with a MATLAB Backbone: A Financial Engineering True Story"; (2) Other agenda can be obtained from [http://engage.vevent.com/index.jsp?eid=4670&seid=15&code=1day].

March 23, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous seminar sponsored by the office of Senator Elizabeth Warren Small Business Matchmaker a program of the U.S. Small Business Administration's American Supplier Initiative in partnership with the U.S. General Services Administration; Sheraton Framingham Hotel & Conference Center 1657 Worcester Rd Framingham, MA 01701.

*March 18, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous seminar *Data Analytics with MATLAB* sponsored by the MathWorks; Newton Marriott 2345 Commonwealth Avenue Newton, MA 02466. Using Data Analytics to turn large volumes of complex data into actionable information can help you improve engineering design and decision-making processes. However, developing effective analytics and integrating them into business systems can be challenging. In this seminar you will learn approaches and techniques available in MATLAB to tackle these challenges. Highlights included: (1) accessing, exploring, and analyzing data stored in files, the web, and data warehouses; (2) techniques for cleaning, exploring, visualizing, and combining complex multivariate data sets; (3) prototyping, testing, and refining predictive models using machine learning methods; (4) integrating and running analytics within enterprise business systems and interactive web applications.*

*March 15, 2015, Karimi, H.A., *Indoor Wayfinding and Navigation*. Taylor and Francies Group, CRC Press, 227 pg., 2015. *This is Dr. @ilirprogri_pb 198th recognition.**



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FEBRUARY

No events!

JANUARY

January 31, 2015, Cheong, J. W., Wu, J., and Dempster, A., "Dichotomous search of coarse time error in collective detection for GPS signal acquisition," *GPS Solutions*, vol. 19, no. 1, pp. 61-72, Jan. 2015, doi: 10.1007/s10291-014-0365-9. *This is Dr. @ilirprogri_pb 197th recognition.*

January 22, 2015, Dr. @ilirprogri, Giffet Inc. Chairman, CEO, and President attended a fabulous meeting of the New England ION Chapter at 6:30 pm at the MITRE Corporation – 202 Burlington Road, Bedford, Massachusetts. The agenda included: (1) Introductions; (2) Discussion of re-invigorating the Section; (3) Frequency of future meetings; (4) Technical talk from Draper's Krish Kotru on "Stable atomic timekeeping in GPS-denied environments" wrap-up.

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