



## Giftet Partnership University

### GIFTET PARTNERSHIP PHILOSOPHY

In general, Giftet philosophy is based on partnership; therefore, Giftet welcomes new partners!

*Building successful partnership one client at a time and one project at a time.*

### GIFTET PARTNERSHIP GROUPS

Giftet partners with the following institutions

1. Government agencies  
[[http://www.giftet.com/uploads/3/4/8/0/34809495/giftet\\_parnership\\_government\\_agencies.pdf](http://www.giftet.com/uploads/3/4/8/0/34809495/giftet_parnership_government_agencies.pdf)]
2. Industry partners  
[[http://www.giftet.com/uploads/3/4/8/0/34809495/giftet\\_partnership\\_industry\\_partners.pdf](http://www.giftet.com/uploads/3/4/8/0/34809495/giftet_partnership_industry_partners.pdf)]
3. **University and research centers**
4. Nonprofit organizations  
[[http://www.giftet.com/uploads/3/4/8/0/34809495/giftet\\_partenrship\\_nonprofit.pdf](http://www.giftet.com/uploads/3/4/8/0/34809495/giftet_partenrship_nonprofit.pdf)]
5. Financial Institutions  
[[http://www.giftet.com/uploads/3/4/8/0/34809495/giftet\\_partenrship\\_financial.pdf](http://www.giftet.com/uploads/3/4/8/0/34809495/giftet_partenrship_financial.pdf)]

### GIFTET UNIVERSITY AND RESEARCH CENTER PARTNERS

Giftet partners with the following university and research center partner institutions

1. Illinois Institute of Technology, Illinois [[http://waas.stanford.edu/laas/IIT\\_files/frame.htm](http://waas.stanford.edu/laas/IIT_files/frame.htm)]
2. Institut National des Sciences Appliquées de Rennes, France [<http://www.insa-rennes.fr/>]
3. Massachusetts Institute of Technology: Lincoln Laboratory, Lexington, Massachusetts  
[<https://www.ll.mit.edu/>]
4. Ohio University, School of Electrical Engineering and Computer Science, Athens, Ohio,  
[<http://www.ohio.edu/eecs/index.cfm>]
5. Stanford Center for Position, Navigation, and Time (SCPNT), Stanford, California  
[<http://scpnt.stanford.edu/>]
6. Tampere University of Technology (Institute of Communications Engineering), Finland  
[<http://www.cs.tut.fi/tlt/>]
7. Technical University of Denmark, Denmark [<http://www.dtu.dk/English.aspx>]
8. University of New South Wales (School of Surveying and Special Information Systems), Australia  
[<http://www.gmat.unsw.edu.au/>]
9. University of Southern California (Viterbi School of Engineering), California  
[<http://viterbi.usc.edu/about/>]
10. University of Calgary, Department of Geomatics Engineering, Calgary, Canada  
[<http://www.geomatics.ucalgary.ca/>]
11. University of Toronto, Department of Electrical and Computer Engineering, Toronto, Canada  
[<http://www.ece.utoronto.ca/>]



12. Worcester Polytechnic Institute, Precision Outdoor/Indoor Personal Locator, Worcester, Massachusetts [<http://www.wpi.edu/academics/ece/ppl/index.html>]
13. Worcester Polytechnic Institute, Advanced Integrated Radio Navigation, Worcester, Massachusetts [<http://www.wpi.edu/academics/ece/cairn/index.html>]

## FEATURED PRESENTATIONS BY GIFTET UNIVERSITY OR UNIVERSITY CENTER PARTNERS

*May 28, 2014*, Dr. @ilirprogri, Gifftet Inc. Chairman, CEO, and President attended a fabulous IEEE Boston Section Member Grade Elevation Clinic: MIT Lincoln Laboratory from 5:30 PM until 8:30 PM. At this meeting Dr. @ilirprogri gave a fabulous presentation and share it his experience on leading the senior member clinic for over seven years. At this meeting before and after his presentation Dr. @ilirprogri had very warm and profitable discussion with Ron Tabroff (R1 Director Elect), Ramon De la Cruz (Host), Susan Murphy (IEEE Boston Section Chair), and Dan Weidman 2012-2014 Chair, IEEE Boston Reliability Chapter on a range of topics from member grade elevation to conference co-sponsorship with the IEEE Boston Section.

*November 4, 2009*, Dr. Progri, Gifftet Inc. President and CEO, attended the IEEE Worcester, County Section joint dinner meeting with the WPI Student, Branch and ECE \ Robotics Program. Ivo Dobrev, from Boston, Engineering, presented Boston Engineering's autonomous underwater, vehicle (AUV), GhostSwimmer. GhostSwimmer is a "bio-mimetic" robotic fish, a tuna, that has less drag than most underwater vehicles and an oscillating tail that has "up to twice as much efficiency as a propeller". The GhostSwimmer, with onboard autonomy, can be told to swim with maximum efficiency and it will calculate the best way to do that, or it can be told to get somewhere fast and flap its tail harder. Ultimately such a fishlike robot could operate offshore by itself or swim in a robotic school with other fish, conducting surveillance or taking measurements. The GhostSwimmer project is a Naval Research Small Business Technology Transfer (STTR) program. Additional information and film about GhostSwimmer can be found at: Robotic Fish, Coming to a Pool Near You <http://spectrum.ieee.org/blog/robotics/robotics-software/automaton/robotic-fish-coming-to-a-pool-near-you> The dinner meeting was held at Higgings House on the WPI campus in Worcester. Directions can be found at <http://www.wpi.edu/About/Visitors/index.html>. The pre-dinner reception starts at 5:30 - 6:30 PM, dinner is from 6:30 - 7:30 followed by the presentation from 7:30 - 8:30.

*September 11, 2008*, Dr. Progri, Gifftet President and CEO attends the SoCal section meeting of the Institute of Navigation and a fabulous presentation by Dr. Todd Walter, Senior Research Engineer [Wide Area Augmentation \(WAAS\)](#), Stanford, CA on "The ionosphere and its effect on satellite navigation" at NavCom Technology, 20780 Madrona Ave, Torrance, CA. [<http://waas.stanford.edu/people/index.htm>]

*April 23, 2008*, Dr. Progri, Gifftet President and CEO attends the SoCal section meeting of the Institute of Navigation and a fabulous presentation by [Prof. Per Enge, Ph.D.](#), Director of the [Stanford Center for Position, Navigation and Time \(SCPNT\)](#), Stanford, CA on "Modernized GPS for worldwide vertical guidance of landing aircraft" at the Aerospace Corp. El Segundo, CA. [[http://www.ion.org/sections/southcalifornia/SoCal\\_April\\_2008\\_Enge.pdf](http://www.ion.org/sections/southcalifornia/SoCal_April_2008_Enge.pdf)]



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FEATURED PH.D. DISSERTATIONS THAT HAVE RECOGNIZED DR. PROGRI'S WORK

Dr. @ilirprogri\_pb's work is recognized from the following list of 20 Ph.D. dissertations' student scholars

1. AZIZ, M.R.K., "Factor graph-based geolocation techniques for position detection of unknown radio wave emitters," *Ph.D. Dissertation*, School of Information Science, Japan Advanced Institute of Science and Technology, 123 pg., June 2016, URL: <https://dspace.jaist.ac.jp/dspace/bitstream/10119/13717/6/paper.pdf>.
2. Pereira, F.J.L., "Positioning systems for underground tunnel environments," *Ph.D. Dissertation*, Faculdade de Engenharia da Universidade do Porto, Porto, Portugal, 165 pg, Jan. 2016, (19<sup>th</sup> *Ph.D. Dissertation* that has recognized one of Dr. @ilirprogri\_pb's publications!) URL: <http://cds.cern.ch/record/2215397/files/CERN-THESIS-2016-101.pdf>.
3. Lin, C.-C., "Forecasting indoor environment using ensemble-based data assimilation algorithms," *Ph.D. Dissertation*, Concordia University Montreal, Quebec, Canada, 164 pg., Dec. 2014 (18<sup>th</sup> *Ph.D. Dissertation* that has recognized one of Dr. @ilirprogri\_pb's publications!) URL: [http://spectrum.library.concordia.ca/979687/1/Lin\\_PhD\\_S2015.pdf](http://spectrum.library.concordia.ca/979687/1/Lin_PhD_S2015.pdf).
4. Sep. 2013, Shafiee, M., "WiFi-based fine timing assistance for GPS acquisition," *Ph.D. Dissertation*, Department of Geomatics Engineering, University of Calgary, Calgary, Canada, 195 pg., Sep. 2013 [(17<sup>th</sup> *Ph.D. Dissertation* that has recognized one of Dr.@ilirprogri\_pb's publications!) URL: <http://plan.geomatics.ucalgary.ca/papers/20386-m%20shafiee%20phd%20thesis-sep2013.pdf>].
5. Apr. 2013, Schafrik, S.J., "Evaluation and simulation of wireless communication and tracking in underground mining applications," *Ph.D. Dissertation*, Virginia Polytechnic Institute and State University, VA, 105 pg, Apr. 2013 [(16<sup>th</sup> *Ph.D. Dissertation* that has recognized one of Dr.@ilirprogri\_pb's publications!) URL: [http://vtechworks.lib.vt.edu/bitstream/handle/10919/19365/Schafrik\\_SJ\\_D\\_2013.pdf](http://vtechworks.lib.vt.edu/bitstream/handle/10919/19365/Schafrik_SJ_D_2013.pdf)].
6. Mar. 2012, Cheong, J.W., "Signal processing and collective detection for Locata positioning system," *Ph.D. Dissertation*, School of Surveying and Spatial Information Systems, University of New South Wales, Sydney, Australia, 289 pp, Mar. 2012 [(15<sup>th</sup> *Ph.D. Dissertation* that has recognized one of Dr.@ilirprogri\_pb's publications!) URL: <http://unsworks.unsw.edu.au/fapi/datastream/unsworks:10667/SOURCE01>].
7. Aug. 2011, Kamel, A.M.M., "Context aware high dynamics GNSS-INS for interference mitigation," *Ph.D. Dissertation*, Department of Geomatics Engineering, University of Calgary, Calgary, Canada, 199 pp, Aug. 2011, [(14<sup>th</sup> *Ph.D. Dissertation* that has recognized one of Dr.@ilirprogri's publications!) URL: [http://www.ucalgary.ca/engo\\_webdocs/GL/11.20332\\_AhmedKamel.pdf](http://www.ucalgary.ca/engo_webdocs/GL/11.20332_AhmedKamel.pdf)].
8. Aug. 2010, Denis, B. "Investigating the radiolocation capabilities of impulse radio - ultra wideband wireless networks," *Ph.D. Dissertation*, l'Institut National des Sciences Appliquées de Rennes, Rennes, France, 294 pp, 2010 (Issue Date 3 August 2010). (7<sup>th</sup> *Ph.D. Dissertation* that has recognized one of my papers from France, 1<sup>st</sup> in French!) [<http://www.insa-rennes.fr/>].



9. Jul. 2010, Godaliyadda, G.M.R.I., "Super resolution algorithms for indoor positioning systems," *Ph.D. Dissertation, National University of Singapore, Singapore, 152 pp, 2010 (Issue Date 7 July 2010) (12<sup>th</sup> Ph.D. Dissertation that has recognized one of my papers from Singapore)* (<http://scholarbank.nus.edu.sg/handle/10635/20947>).
10. Apr. 2010, Torres-Solis, J. "Mediated reality and location awareness to facilitate topographical orientation," *Ph.D. Dissertation, Department of Electrical and Computer Engineering, University of Toronto, Canada, 181 pp.*
11. Dec. 2009, Glennon, E.P., "Cross correlation mitigation for C/A code GPS receivers," *Ph.D. Dissertation, School of Surveying and Spatial Information Systems, University of New South Wales, Sydney, Australia, 233 pp, Dec. 2009.*
12. Aug. 2009, Kalyanaraman, S.K., "High Accuracy GPS Phase Tracking Under Signal Distortion," *Ph.D. Dissertation, School of Electrical Engineering and Computer Science, Ohio University, Ohio, 139 pp.*
13. Jul. 2009, Beauregard, S., "Infrastructureless pedestrian positioning," *Ph.D. Dissertation, School of Surveying and Spatial Information Systems, University of Bremen, Bremen, Germany, 126 pp., Jul. 2009.* [URL: <http://d-nb.info/996728007/34>].
14. May 2008, Yong, Y., "Tightly Coupled MEMS GPS/INS Aided Integration with INS Aided Receiver Tracking Loops," *Ph.D. Dissertation, Department Of Geodesy and Geomatics Engineering, Technical Report No. 20270, University of Calgary, Calgary, Alberta, Canada, 205 pp.*
15. 2008, Hey, A.M., "Investigation of propagation and attenuation of the development model for building complex shape," *Ph.D. Dissertation, Engineering, Radio engineering and communication, Systems, networks and telecommunications devices, Moscow, Russia, 145 pp, 2008.* [(2<sup>st</sup> Ph.D. dissertation in Russian) URL: <http://www.dissercat.com/content/issledovanie-rasprostraneniya-radiovoln-i-razrabotka-modeli-zatukhaniya-dlya-pomeshchenii-sl>].
16. 2008, Aronov, D., "Study on electromagnetic compatibility of communication systems, navigation systems, satellite systems and other services" *Ph.D. Dissertation, Engineering, Radio engineering and communication, Systems, networks and telecommunications devices, Moscow, Russia, 162 pp, 2008.* [(1<sup>st</sup> Ph.D. dissertation in Russian) URL: <http://www.dissercat.com/content/issledovanie-voprosov-elektromagnitnoi-sovmestivosti-sistem-svyazi-radionavigatsionnykh-sput>]
17. Oct. 2007, Jason Bond, D., "Bringing GPS into Harsh Environments for Deformation Monitoring," *Ph.D. Dissertation, Department Of Geodesy and Geomatics Engineering, Technical Report No. 253, University of New Brunswick, Fredericton, New Brunswick, Canada, 268 pp.*
18. Aug. 2007, De Lorenzo, D.S., "Navigation Accuracy and Interference Rejection for GPS Adaptive Antenna Arrays," *Ph.D. Dissertation, Department of Aeronautics and Astronautics, Stanford University, Paolo Alto, CA.*
19. Dec. 2004, DU, J.-Y., "Vision based navigation system for autonomous proximity operations: an experimental and analytical study," *Ph.D. Dissertation, Texas A&M University, College Station, TX.*



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20. Aug. 2004, Guang, Y., "Combination of GPS and pseudo-satellite positioning technology and its applications in deformation monitoring studies," *Ph.D. Dissertation, Hydraulic Structure Engineering, Hohai University, China, August 2004.* [(1<sup>st</sup> *Ph.D. dissertation* in Chinese) URL: [http://wanfang.bjast.com.cn/D/Thesis\\_Y671999.aspx](http://wanfang.bjast.com.cn/D/Thesis_Y671999.aspx)].

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