

Rep. n. 143/2017
Prot. n. 1417 del 22/06/2017

COLLEGIO DEI DOCENTI DEL CORSO DI DOTTORATO IN INGEGNERIA DELL'INFORMAZIONE

Verbale della riunione telematica del 26/05/2017

Il giorno 26 maggio 2017 il Collegio dei docenti del Corso di dottorato in Ingegneria dell'informazione si è riunito per via telematica, con convocazione inviata dal coordinatore via posta elettronica il 24 maggio 2017, con unico punto all'ordine del giorno:

1. Assegnazione di un co-supervisore al dottorando Cao Haitao (32° ciclo)

Il Coordinatore apre la discussione telematica informando il Collegio che Cao Haitao è un dottorando del 32° ciclo (supervisore: Alessandro Paccagnella) che occupa un posto riservato agli studenti della Guangzhou University.

La convenzione tra l'Università di Padova e la Guangzhou University prevede che (art. 6):

"Selected PhD candidates will be subject to co-supervision. UP will provide a principal supervisor for candidates selected by GU. GU will provide an associate supervisor for the purpose of co-supervision between UP and GU. The associate supervisor from GU will be proposed by GU according to its criteria and approved by the Academic Board of the PhD course in Padova"

La Guangzhou University ha proposto come co-supervisore il prof. Gaoyong Luo, il cui curriculum vitae è allegato al presente verbale.

Il Collegio è chiamato a esprimersi su questa proposta.

Il Coordinatore chiede quindi ad ogni membro del Collegio di esprimere il proprio parere (FAVOREVOLE, CONTRARIO, ASTENUTO) inviando un messaggio entro venerdì 26 maggio 2017 a:

dirdott@dei.unipd.it

e in copia a:

corso.dottorato@dei.unipd.it

Alla scadenza fissata risultano i voti favorevoli di: Avanzini Federico, Leonardo Badia, Andrea Bevilacqua, Angelo Cenedese, Alessandro Chiuso, Matteo Comin, Luca Corradini, Barbara Di Camillo, Augusto Ferrante, Carlo Ferrari, Andrea Galtarossa, Enrico Grisan, Carmen Losasso, Emanuele Menegatti, Gaudenzio Meneghesso, Andrea Neviani, Piergiorgio Nicolosi, Luca Palmieri, Morten Gram Pedersen, Gianluigi Pillonetto, Maria Silvia Pini, Silvano Pupolin, Michele Rossi, Alfredo Ruggeri, Giovanni Sparacino, Giorgio Spiazzi, Paolo Tenti, Gianna Toffolo, Stefano Tomasin, Paolo Villoresi, Sandro Zampieri, Andrea Zanella, Enrico Zanoni, Michele Zorzi.

Non risultano contrari né astenuti.

Non partecipano alla votazione: Nevio Benvenuto, Matteo Bertocco, Alessandra Bertoldo, Ruggero Carli, Andrea Cester, Chiara Dalla Man, Matteo Fischetti, Andrea Gerosa, Alessandro Paccagnella, Enrico Pagello, Marco Santagiustina, Luca Schenato, Maria Elena Valcher, Stefano Vassanelli.

Assume le funzioni di Presidente il Coordinatore del Corso Prof. Andrea Neviani, svolge le funzioni di segretario verbalizzante il Prof. Gianni Sparacino.

Il Coordinatore

Handwritten signature of the Coordinator, appearing to be 'A. Neviani'.

Il Segretario

Handwritten signature of the Secretary, appearing to be 'G. Sparacino'.

4. G.Y. Luo, Y.P. Liu, Wavelet Audio Coding by Fixed-point Short Block Processing for Real-time Wireless Applications, *Applied Mechanics and Materials*, 2012, Vols. 239-240, pp 1118-1124.
5. G.Y. Luo, On-line Wavelet Filtering of Narrowband Noise in Signal Detection of Spread Spectrum System for Location Tracking, *International Journal of Communication Systems*, 2012, Vol 25, Issue 5, pp 598-615.
6. H. Liu, G.Y. Luo, C.C. Liu, Z. Pang, A New Control System Design for Balast Water Treatment, *Advanced Science Letters*, 2012, Volume 12, Number 1, pp 200-204.
7. G.Y. Luo, Low Complexity Wavelet Image Coding for Low Bit Rate Mobile Applications, *Journal of Guangzhou University*, 2010, Vol. 9, No. 3, pp 26-34.
8. B.Z. Zhang, H.C. Wang, G.Y. Luo, W.Q. Man, Y.H. Zheng, High-order Polarization Vortex Spatial Solitons, *Physics Letters A*, 2012, Vol. 376, Issue 45, pp 3051-3056.
9. Y.H. Zheng, G.Y. Luo, B.Z. Zhang, Y.L. He, Research on Power Line as Communication Channel with Multi-Tap and Multi-Branch Configuration, *Journal of Networks*, 2013, Vol.8, No.12, pp 2776-2782.
10. H.X. Cui, G. Wei, G.Y. Luo, Y.C. Yu, W.L. Li, Performance analysis of ARQ cooperative diversity system with multiple two-hop relays over Rayleigh fading channels, *Computers & Electrical Engineering*, 2013, Volume 39, Issue 5, pp 1399-1408.
11. J.H. Huang, G.Y. Luo, Irregular Sampling of GPS Signal for Real-time Implementation of Pipelined PFFT, *Applied Mechanics and Materials*, 2014, Vols. 519-520, pp 967-972.
12. H.T. Cao, G.Y. Luo, Signal Separation and Synthesis in the Wigner-Ville Distribution Domain with Fractional Fourier Transform, *Advances in Engineering Research*, 2015, Vol. 12, pp 53-56.
13. F.S. Zhou, M.H. Du, Y.G. Wang, G.Y. Luo, Joint Source-channel Coding for Band-limited Backhuals in Coordinated Multi-point Systems, *IET Communications*, 2016, Vol. 10, No.13, pp 1562-1570.
14. W.Y. Cai, G.Y. Luo, Autocorrelation Phase Measurement of Spread Spectrum Signal for High Precision Indoor Microwave Positioning, *Applied Mechanics and Materials*, 2015, Vol. 734, pp 31-39.
15. G.Y. Luo, Time-frequency Filtering of Gaussian and Impulse Noise for Spread Spectrum Power Line Communication, *Proceedings of the International Conference on Signal Processing and Multimedia Applications*, 24-27 July, 2012, Rome, Italy. pp 12-18.
16. G.Y. Luo, Z.Q. Guo, Adaptive Wavelet Denoising for Spread Spectrum Communication over Power Lines, *Proceedings of 2012 2nd International Conference on Electronics, Communications and Control*, October 16-18, 2012, Zhoushan, China, pp 2761-2764.
17. G.Y. Luo, Noise Quantification of Spread Spectrum Systems for Power Line Carrier Communication, *Proceedings of 2010 International Conference on Future Computer, Control and Communication*, December 10-12, 2010, Nanning, China, pp 152-156.
18. G.Y. Luo, On Denoising of Spread Spectrum Communication for Wireless Location, *Proceedings of 2010 International Conference on Communications and Mobile Computing*, April 12-14, 2010, Shenzhen, China, pp 56-62.
19. G.Y. Luo, An Efficient DSP Implantation of Wavelet Audio Coding for Digital Communication, *Proceedings of the Fourth International Conference on Digital Society*, February 10-16, 2010, St. Maarten, Netherlands Antilles, pp 66-71.
20. G.Y. Luo, D. Osypiw, Fast Resampling and Denoising of Spread Spectrum Signal for Real-time Wireless Location, *Proceedings of The Fifth International Conference on Wireless and Mobile Communications*, ICWMC 2009, August 23-29, 2009 - Cannes/La Bocca, French Riviera, France, pp 7-12.

21. G.Y. Luo, Differentially Coherent Detection for Multicarrier Spread Spectrum Communication over Power Lines, *Proceedings of the International Conference on Consumer Electronics, Communications and Networks*, 2013, Xianning, China, pp 281 – 284.
22. Y.H. Zheng, G.Y. Luo, Y.L. He, Influence of Branch Configuration on Transfer Characteristic in Low-voltage Power Line Channel, *Proceedings of 2013 International Conference on Signal Processing, Communication and Computing (ICSPCC 2013)*, 2013, Kunming, China, pp1-4.
23. Y.H. Zheng, G.Y. Luo, B.Z. Zhang, Q. Yu, Y.L. He, Effects of Branch Length and Terminal Impedance in Multi-Branch Power Line Channel, *Proceedings of 2013 International Conference on Information Technology and Computer Application Engineering (ITCAE 2013)*, 2013, Hongkong, China, pp245-248.
24. H.T. Cao, G.Y. Luo, Wavelet Speech Enhancement Based on Improved Teager Energy Operator and Local Variance Analysis, *Proceedings of 2016 International Conference on Wireless Communications and Network Technology*, 24-26 June, 2016, Guangzhou, China.
25. Z.H. Zhang, H.S. Li, J.B. Song, Z. Han, G.Y. Luo, W.J. Hu, Wireless Communication Aided Differential Relay Protection in Smart Grids: A Concerted Blitzkrieg, *Proceedings of IEEE International Conference on Smart Grid Communications (SmartGridComm)*, 2013, Vancouver, BC, Canada, pp 330-335.

Recent Research Projects Conducted

1. Wavelet Filtering and its Chip Implementation for Spread Spectrum Carrier Communication over Power Lines
Funded by: Natural Science Foundation of China (NSFC) with ¥300,000 RMB (Yuan)
2. Big Data Fusion for Multi-Disciplines Experimental Platform
Funded by: Central Government Financial Support for Local Universities with ¥2,000,000 RMB (Yuan)
3. Comprehensive Specialty Reform Pilots of Guangdong Province
Funded by: Department of Education of Guangdong Province with ¥500,000 RMB (Yuan)