Curriculum di Luigi Paura

General details:

Born in Naples (Italy) on febbruary 20 1950
Married with Sally Ann Hill since 1979
Father of Francesca (1989) and Marco (1991)

Current Position:

Full Professor of Telecommunications at the Dep. Of Electrical Engineering an Information Technologies of the Università di Napoli, Federico II.

Previous Positions:

- Degree in Ingegneria Elettronica (1974).
- Abilitazione alla professione di ingegnere conseguita nel 1975 with highest honors.
- Official during the military duty (1975-76).
- Scolarship (1976-79) at the Faculty of Engineering of the University of Naples Federico II.
- Assistent Resercher (1979 –84).
- Assistent Professor at the University of Naples Federico II (1978- 85).
- Associate Professor at the University of Naples Federico II (1985 – 94).
- Winner of a National Competition for a full professor position (1994).
- Full Professor at the Faculty of Engineering of the University of Lecce (1994 –95).
- Full Professor at the Facoltà di Ingegneria della Seconda Università di Napoli (1995 –96 and 1996-97).
- Full Professor at the Faculty of Engineering of the Second University of Naples (1997 –99).
- Full Professor at the Dep. of Electrical Engineering of the University of Naples Federico II since 1999 .

Main Duties:

- President of Consiglio del Corso di laurea in Ingegneria Elettronica (Seconda Università di Napoli (1996-99).

- President of the corso di laurea in Ingegneria delle Telecomunicazioni (Università di Napoli, Federico II, 2001-2003).

- President of the Dottorato di Ricerca Internazionale (International PhD Course) (in collaborazione con università straniere) in Tecnologia dell'Informazione e della Comunicazione (2002-2005).

- Head of Laboratorio "Sistemi wireless per Servizi a Larga Banda" del Centro regionale di Competenza sull'ICT (dal 2003 al 2005).

- Head of Laboratorio Nazionale di Comunicazioni Multimediali del CNIT (dal gennaio 2005 a tutt'oggi).

- Head of Dipartimento di Ingegneria Biomedica, Elettronica e delle Telecomunicazioni (dal novembre 2008 -2012)

Tutor of PhD students:

1. Giacinto Gelli (currently full prof. of Telecommunications at the University of Naples).

2. Mario Tanda (currently full professor of Telecommunications at he University of Naples Federico II).

3. Annalisa Verdoliva (currently assistent researcher of Telecommunications at the University of Naples Federico II)
4. Donatella Darsena (currently assistent researcher at the University Parthenope).

5. Antonia Maria Tulino (currently associate professor at the University of Naples Federico II).

6. Angela Sara Cacciapuoti (currently assistent researcher at DIETI).

7. Marcello Caleffi (currently assistent resercher at DIETI).

8. Arafatur Rahman (currently assistent professor at the University of Malaysia Pahang)

9. Roberto Savoia (currently working as resercher at the CNR)

10. Francesco Marino (attualmente studente di dottorando presso il DIETI)

Attività di ricerca all'estero:

- Visiting professor at the the Signal and Immage Processing Laboratory of the Department of Electrical and Computer Science dell'Università di California Davis (luglio 1985-luglio1986)..

Papers

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2. M.Caleffi, I.F. Alkyildiz, L.Paura, "On the Solution of the Steiner Tree NP-Hard Problem via Physarum BioNetwork IEEE TRANS. ON NETWORKING, 2014
3. A. S. Cacciapuoti, I. F. Akyildiz, L. Paura, Optimal Primary-User Mobility Aware Spectrum Sensing Design for Cognitive Radio Networks, in stampa su IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS (JSAC)- Cognitive Radio Series, 2013.
4. A.S. Cacciapuoti, M. Caleffi, L. Paura, R. Savoia, " Decision Maker Approaches for Cooperative Spectrum Sensing: Participate or Not Participate in Sensing?", IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, Vol. 12, Issue 5, pp. 2445-2457, August 2013.
5. M.A. Rahman, M. Caleffi, L. Paura, "Joint path and spectrum diversity in cognitive radio ad-hoc networks", EURASIP Journal on Wireless Communications and Networking, 2012, 2012:235.
6. Darsena D., Gelli G., Paura L., Verde F. (2012). Blind Channel Shortening for Space-Time-Frequency Block Coded MIMO-OFDM Systems. IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol. 11, p. 1022-1033, ISSN: 1536-1276, doi: 10.1109/TWC.2012.010312.110126
7. A. S. Cacciapuoti, I. F. Akyildiz, L. Paura (2012). Correlation-Aware User Selection for Cooperative Spectrum Sensing in Cognitive Radio Ad Hoc Networks. IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, vol. 30, p. 297-306, ISSN: 0733-8716, doi: 10.1109/JSAC.2012.120208
8. A.S. Cacciapuoti, F. Calabrese, M. Caleffi, G. Di Lorenzo, L. Paura (2012). Human-mobility enabled networks in urban environments: Is there any (mobile wireless) small world out there?. AD HOC NETWORKS, vol. 10, p. 1520-1531, ISSN: 1570-8705, doi: 10.1016/j.adhoc.2011.07.006
9. M. Caleffi, I.F. Akyildiz, L. Paura (2012). OPERA: Optimal Routing Metric for Cognitive Radio Ad Hoc Networks. IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol. 11, p. 2884-2894, ISSN: 1536-1276, doi: 10.1109/TWC.2012.061912.111479
10. Cesarelli M., Bifulco P., Cerciello T., Romano M., Paura L. (2012). X-ray fluoroscopy noise modeling for filter design . INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY, vol. 2012, p. 1-10, ISSN: 1861-6410, doi: 10.1007/s11548-012-0772-8
11. M. Caleffi, L. Paura (2011). M-DART: Multi-path Dynamic Address RouTing. WIRELESS COMMUNICATIONS AND MOBILE COMPUTING, vol. 11, p. 392-409, ISSN: 1530-8669, doi: 10.1002/wcm.986
12. A. S. Cacciapuoti, M. Caleffi, D. Izzo, L. Paura (2011). Cooperative Spectrum Sensing Techniques with Temporal Dispersive Reporting Channels. IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol. 10, p. 3392-3402, ISSN: 1536-1276, doi: 10.1109/TWC.2011.081011.102164
13. A.S. Cacciapuoti, M. Caleffi, L. Paura (2011). Guest Editorial, Special Issue on Scalable Wireless Networks. INTERNATIONAL JOURNAL OF COMMUNICATION NETWORKS AND DISTRIBUTED SYSTEMS, vol. 7, p. 1-3, ISSN: 1754-3916
14. A.S. Cacciapuoti, M. Caleffi, L. Paura (2011). Reactive routing for mobile cognitive radio ad hoc networks. AD HOC NETWORKS, vol. 10, p. 803-815, ISSN: 1570-8705, doi: 10.1016/j.adhoc.2011.04.004
15. A.S. Cacciapuoti, G. Gelli, L. Paura, F. Verde (2009). Widely-linear versus linear blind multiuser detection with subspace-based channel estimation: finite sample-size effects. IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol. 57, p. 1264-1281, ISSN: 1053-587X
16. M. Caleffi, G. Ferraiuolo, L. Paura (2008). A Reliability-based Framework for Multi-path Routing Analysis in Mobile Ad-Hoc Networks. INTERNATIONAL JOURNAL OF COMMUNICATION NETWORKS AND DISTRIBUTED SYSTEMS, vol. 1, p. 507-523, ISSN: 1754-3916, doi: 10.1504/IJCNDS.2008.021080
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Chapters of book

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Conferences

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