

Vahid Jamali

Resumé

Wetterkreuz 15
91058, Erlangen
Germany
☎ +49 (9131) 85 67771
✉ vahid.jamali@fau.de
🌐 www.vahid-jamali.com



Education

- Ongoing **PhD**, *Friedrich-Alexander-University of Erlangen-Nuremberg*, Erlangen, Germany.
Thesis Title: "*Channel Estimation, Symbol Synchronization, and Signal Detection in Diffusive Molecular Communications*"
Supervisor: Prof. Robert Schober
- 2010–2012 **MSc**, *K. N. Toosi University of Technology*, Tehran, Iran.
Thesis Title: "*Optimization of Cooperative Spectrum Sensing in Cognitive Radio Networks*"
Supervisor: Prof. Mahmoud Ahmadian, Co-Supervisor: Dr. Soheil Salari
GPA: **19.13**/20
- 2006–2010 **BSc**, *K. N. Toosi University of Technology*, Tehran, Iran.
Thesis Title: "*Matched Filters and Energy Detectors in Cognitive Radio Networks*"
Supervisor: Dr. Soheil Salari
GPA: **18.61**/20
- 2005–2006 **Diploma**, *I. K. Estahban Excellent College*, Estahban, Iran.
GPA: **19.81**/20

Research Interests

Wireless Communications, Molecular Communications, Multiuser Information Theory, Optical Wireless Communications, Buffer-Aided Relaying, Full-Duplex Communications, Cognitive Radio Networks, LDPC Codes, and Optimization Theory.

Honors and Awards

- 2017 **DAAD Research Grant**, *German Academic Exchange Service (DAAD)*, for research to be conducted abroad as a visiting scholar at the Stanford University.
- 2017 **Student Travel Grant**, *IEEE International Conference on Communications (ICC)*, Paris, France.
- 2016 **Best Paper Award**, *IEEE International Conference on Communications (ICC)*, Kuala Lumpur, Malaysia.
- 2015 **Student Travel Grant**, *International Workshop on Optical Wireless Communication (IWOW) with Training School*, Istanbul, Turkey.
- 2015 **Exemplary Reviewer**, *IEEE Communications Letters*, (top 3% of reviewers).
- 2015 **Student Travel Grant**, *São Paulo (SP) Coding and Information School*, São Paulo, Brazil.
- 2013 **Member of National Elites Foundation**, *Iran*.
- 2012 **MSc Graduation with First Class Honors**, *K. N. Toosi University of Technology*, ranked 1st among 30 students.
- 2010 **Honorary Admittance MSc Program**, *K. N. Toosi University of Technology*, without having to take the national entrance exam.

2010 **BSc Graduation with First Class Honors**, *K. N. Toosi University of Technology*, ranked 2th among 120 students.

Research Experience

- 2017 **Visiting Scholar**, *Stanford University*, Stanford California, USA.
Research Topic: "Molecular Communications"
Supervisor: Prof. Andrea Goldsmith
Project Fund: German Academic Exchange Service (DAAD)
- 2015 **Research Staff**, *Friedrich-Alexander-University of Erlangen-Nuremberg*, Erlangen, Germany.
Research Topic: "Optical Wireless Communications"
Supervisor: Prof. Robert Schober
Project Fund: Qatar National Research Fund
- 2014–Now **Doctoral Researcher**, *Friedrich-Alexander-University of Erlangen-Nuremberg*, Erlangen, Germany.
Research Topic: "Molecular Communications"
Supervisor: Prof. Robert Schober
Project Fund: German Research Foundation (DFG)
- 2012–2014 **Research Assistant**, *Friedrich-Alexander-University of Erlangen-Nuremberg*, Erlangen, Germany.
Research Topic: "Buffer-Aided Relaying"
Supervisor: Prof. Robert Schober
Project Fund: FAU, IDC

Industrial Research Experience

- 2016–Now **Huawei Technologies, Gothenburg, Sweden**, Member of Project Team at IDC.
Project Title: "*Firefly Ultra Dense Networks: Wireless Fronthauling via Mm-Wave Links for 5G Communications*"

Teaching Experience

Friedrich-Alexander-University of Erlangen-Nuremberg

- 2017(SS) **MIMO Communication Systems**, *IDC*, Tutorial Instructor.
- 2017(SS) **Mobile Communication Lab**, *IDC*, Supervisor.
- 2016(Ws) **MATLAB Programming Lab**, *IDC*, Supervisor.
- 2016(Ws) **Seminar - Special Topics in Communications**, *IDC*, Supervisor.
- 2016(SS) **MIMO Communication Systems**, *IDC*, Tutorial Instructor.
- 2016(SS) **Mobile Communication Lab**, *IDC*, Supervisor.
- 2015(Ws) **MATLAB Programming Lab**, *IDC*, Supervisor.
- 2015(Ws) **Seminar - Special Topics in Communications**, *IDC*, Organizer.
- 2015(SS) **MIMO Communication Systems**, *IDC*, Tutorial Instructor.
- 2013(Ws) **MIMO Communication Systems**, *IDC*, Tutorial Instructor.
- 2013(Ws) **Seminar - Special Topics in Communications**, *IDC*, Supervisor.
- 2013(SS) **MIMO Communication Systems**, *IDC*, Tutorial Instructor.
- 2012(Ws) **Seminar - Special Topics in Communications**, *IDC*, Supervisor.

K. N. Toosi University of Technology

- 2012(SS) **Stochastic Processes**, *Telecommunication Department*, Teaching Assistant.
- 2012(SS) **Communication Circuits**, *Telecommunication Department*, Teaching Assistant.
- 2011(Ws) **Probability and Statistics**, *Faculty of Electrical Engineering*, Teaching Assistant.
- 2011(SS) **Communication Circuits**, *Telecommunication Department*, Teaching Assistant.

- 2011(SS) **Probability and Statistics**, *Faculty of Electrical Engineering*, Teaching Assistant.
 2010(WS) **Probability and Statistics**, *Faculty of Electrical Engineering*, Teaching Assistant.
 2010(SS) **Probability and Statistics**, *Faculty of Electrical Engineering*, Teaching Assistant.

Co-Supervision Experience

Friedrich-Alexander-University of Erlangen-Nuremberg

- 2016-17 **Wayan Wicke**, *IDC*, Master Thesis.
 Thesis Title: "*Molecular Communications Using Magnetic Nano-Particles*"
- 2016 **Tobias Schwering**, *IDC*, Master Thesis.
 Thesis Title: "*Molecular Communication in Blood Vessels: A Stochastic Channel Modeling Approach*"
- 2015 **Erik Sippel**, *IDC*, Master Thesis.
 Thesis Title: "*Information Theoretic Performance Bounds for Practical Full-Duplex Communication*"
- 2015 **Noha Waly**, *IDC*, Master Thesis.
 Thesis Title: "*Buffer-Aided Relaying with Imperfect CSI*"
- 2014 **Wayan Wicke**, *IDC*, Bachelor Thesis.
 Thesis Title: "*Buffer-Aided Relaying with Discrete Transmission Rates*"
- 2013 **Heba Shoukry**, *IDC*, Master Thesis.
 Thesis Title: "*Buffer-Aided Relaying with Adaptive Link Selection for Multihop Relay Networks*"

Professional Activities

- 2017 **TPC Member**, *IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom)*, Istanbul, Turkey.
- 2016 **TPC Member**, *International Conference on Computing, Networking and Communication*, Kauai, Hawaii, USA.
- 2015 **Assistant Editor**, *IEEE Journal on Selected Area in Communications.*, Special Issue on Recent Advances in Heterogeneous Cellular Networks.
- 2015 **TPC Member**, *International Conference on Computing, Networking and Communication*, Anaheim, California, USA.
- 2012-Now **Reviewer (Selected Journals)**, *IEEE Trans. Communications*, *IEEE Trans. Wireless Communications*, *IEEE Communications Letters*, *IEEE Journal on Selected Area in Communications*, *IEEE Trans. Signal Processing*, *IEEE Communications Magazine*, *IEEE Trans. NanoBioscience*, *IEEE Trans. Vehicular Technology*, *Journal of Lightwave Technology*, *EURASIP Journal*, and *AEUE Elsevier*.
- Reviewer (Selected Conferences)**, *IEEE Globecom*, *IEEE ICC*, *IEEE ISIT*, *IEEE WCNC*, *IEEE PIMRC*, *IEEE VTC*, *IEEE ICNC*, *EUSIPCO*, *ISTC*, *ICEE*, *ITG*, *MilCOM*, *IWOW*, and *ICT*.

Publication List Sorted by Topic

Molecular Communications

1. **V. Jamali**, N. Farsad, R. Schober, and A. Goldsmith "Non-Coherent Multiple-Symbol Detection for Diffusive Molecular Communications," under review in *IEEE Trans. Commun.*, 2017.
2. **V. Jamali**, A. Ahmadzadeh, and R. Schober, "Symbol Synchronization for Diffusion-Based Molecular Communications," under review in *IEEE Trans Nanobioscience*. 2017.
3. **V. Jamali**, A. Ahmadzadeh, N. Farsad, and R. Schober, "SCW Codes for Maximum Likelihood Detection in Diffusive Molecular Communications without Channel State Information," under review in *IEEE Trans Commun*. 2017.
4. **V. Jamali**, A. Ahmadzadeh, and R. Schober, "On the Design of Matched Filters for Molecule Counting Receivers," *IEEE Commun. Lett.*, 2017.
5. **V. Jamali**, A. Ahmadzadeh, C. Jardin, H. Sticht, and R. Schober, "Channel Estimation for Diffusive Molecular Communications," in *IEEE Trans. Commun.*, vol. 64, no. 10, pp. 4238-4252, Oct. 2016.
6. **V. Jamali**, A. Ahmadzadeh, N. Farsad, R. Schober, and A. Goldsmith "SCW Codes for Optimal CSI-Free Detection in Diffusive Molecular Communications," *IEEE ISIT 2017*.
7. **V. Jamali**, A. Ahmadzadeh, and R. Schober, "Symbol Synchronization for Diffusive Molecular Communications," in *Proc. IEEE ICC*, **Student Travel Grant Award**, 2017.
8. **V. Jamali**, N. Farsad, R. Schober, and A. Goldsmith "Non-Coherent Multiple-Symbol Detection for Diffusive Molecular Communications," in *Proc. ACM NanoCom*, Sep. 2016.
9. **V. Jamali**, A. Ahmadzadeh, C. Jardin, H. Sticht, and R. Schober, "Channel Estimation techniques for Diffusion-Based Molecular Communications," in *Proc. IEEE ICC*, **Best Paper Award**, pp. 1-7, May 2016.
10. R. Mosayebi, **V. Jamali**, N. Ghoroghchian, R. Schober, M. Nasiri-Kenari, and M. Mehrabi, "Cooperative Abnormality Detection via Diffusive Molecular Communications," under review in *IEEE Trans Nanobiosci*. 2017.
11. A. Ahmadzadeh, **V. Jamali**, A. Noel, and R. Schober, "Diffusive Mobile Molecular Communications Over Time-Variant Channels," *IEEE Commun. Lett.*, 2017.
12. W. Wicke, A. Ahmadzadeh, **V. Jamali**, H. Unterweger, C. Alexiou, and R. Schober, "Molecular Communication using Magnetic Nanoparticles," submitted to *IEEE WCNC*, 2018.
13. A. Ahmadzadeh, **V. Jamali**, and R. Schober, "Statistical Analysis of Time-Variant Channels in Diffusive Mobile Molecular Communications," *IEEE Globecom*, 2017.
14. H. Arjmandi, **V. Jamali**, A. Ahmadzadeh, A. Burkovski, R. Schober, and M. Nasiri-Kenari, "Ion Pump Based Bio-Synthetic Modulator Model for Diffusive Molecular Communications," in *Proc. IEEE SPAWC*, pp. 1-6, Jun. 2016.

Free-Space Optical Communications

1. **V. Jamali**, D. S. Michalopoulos, M. Uysal, and R. Schober, "Mixed RF and Hybrid RF/FSO Relaying: Delay-Limited and Delay-Tolerant Transmission," *IEEE Trans. Wireless Commun.*, vol. 15, no. 5, pp. 3281-3295, May 2016.
2. **V. Jamali**, D. S. Michalopoulos, M. Uysal, and R. Schober, "Mixed RF and Hybrid RF/FSO Relaying," in *IEEE Globecom Workshop on Opt. Wireless Commun.*, Dec. 2015.
3. **V. Jamali**, D. S. Michalopoulos, M. Uysal, and R. Schober, "Outage Analysis of q-Duplex RF/FSO Relaying," *invited paper in IEEE ISWCS*, 2015.
4. M. Najafi, **V. Jamali**, and R. Schober, "Optimal Relay Selection for the Parallel Hybrid RF/FSO Relay Channel: Non-Buffer-Aided and Buffer-Aided Designs," in *IEEE Trans. Commun.*, 2017.

5. M. Najafi, **V. Jamali**, W. K. Ng, and R. Schober, "C-RAN with Hybrid RF/FSO Fronthaul Links: Joint Optimization of RF Time Allocation and Fronthaul Compression," submitted to *IEEE Globecom*, 2017.
6. M. Najafi, **V. Jamali**, and R. Schober, "Adaptive Relay Selection Protocol for the Parallel Hybrid RF/FSO Relay Channel," in *Proc. IEEE ICC*, May 2016.

Buffer-Aided Relaying

1. **V. Jamali**, N. Waly, N. Zlatanov, and Robert Schober, "Optimal Buffer-Aided Relaying With Imperfect CSI," *IEEE Commun. Lett.* vol. 20, no. 7, pp. 1309-1312, July 2016.
2. **V. Jamali**, N. Zlatanov, and R. Schober, "Achievable Rate of the Half-Duplex Multi-Hop Buffer-Aided Relay Channel with Block Fading," *IEEE Trans. Wireless Commun.*, vol. 14, no. 11, pp. 6240-6256, Nov. 2015.
3. **V. Jamali**, N. Zlatanov, and R. Schober, "Buffer-Aided Bidirectional Relay Networks with Fixed Rate Transmission – Part I: Delay-Unconstrained Case," *IEEE Trans. Wireless Commun.*, vol. 14, no. 3, pp. 1323-1338, March 2015.
4. **V. Jamali**, N. Zlatanov, and R. Schober, "Buffer-Aided Bidirectional Relay Networks with Fixed Rate Transmission – Part II: Delay-Constrained Case," *IEEE Trans. Wireless Commun.*, vol. 14, no. 3, pp. 1339-1355, March 2015.
5. **V. Jamali**, N. Zlatanov, A. Ikhlef, and R. Schober, "Achievable Rate Region of Bidirectional Buffer-Aided Relay Channel with Block Fading," *IEEE Trans. Inf. Theory*, vol. 60, no. 11, pp. 7090-7111, Nov. 2014.
6. **V. Jamali**, N. Zlatanov, and R. Schober, "Delay-Constrained Protocol with Adaptive Mode Selection for Bidirectional Relay Networks," in *Proc. IEEE Globecom*, pp. 4162-4167, 8-12 Dec. 2014.
7. **V. Jamali**, N. Zlatanov, and R. Schober, "Adaptive Mode Selection for Bidirectional Buffer-Aided Relay Networks with Block Fading – Fixed Rate Transmission," in *Proc. IEEE ICC*, pp. 5831-5837, Jun. 2014.
8. **V. Jamali**, N. Zlatanov, A. Ikhlef, and R. Schober, "Adaptive Mode Selection and Power Allocation in Bidirectional Buffer-aided Relay Networks," in *Proc. IEEE Globecom*, pp. 1933-1938, Dec. 2013.
9. **V. Jamali**, N. Zlatanov, A. Ikhlef, and R. Schober, "Adaptive Mode Selection in Bidirectional Buffer-aided Relay Networks with Fixed Transmit Powers," *invited paper in Proc. EUSIPCO*, pp. 1-5, Sep. 2013.
10. W. Wicke, N. Zlatanov, **V. Jamali**, and R. Schober, "Buffer-Aided Relaying with Discrete Transmission Rates for the Two-Hop Half-Duplex Relay Network," *IEEE Trans. Wireless Commun.*, vol. 16, no. 2, pp. 967-981, Feb. 2017.
11. R. Simoni, **V. Jamali**, N. Zlatanov, R. Schober, L. Pierucci, and R. Fantacci, "Buffer-Aided Diamond Relay Network with Block Fading and Inter-Relay Interference," *IEEE Trans. Wireless Commun.*, vol. 15, no. 11, pp. 7357-7372, Nov. 2016.
12. N. Zlatanov, **V. Jamali**, and R. Schober, "Achievable Rates for the Fading Half-Duplex Single Relay Selection Network Using Buffer-Aided Relaying," *IEEE Trans. Wireless Commun.*, vol. 14, no. 8, pp. 4494-4507, Aug. 2015.
13. M. Darabi, **V. Jamali**, B. Maham, and R. Schober, "Adaptive Link Selection for Cognitive Buffer-Aided Relay Networks," *IEEE Commun. Lett.*, vol. 19, no. 4, pp. 693-696, Apr. 2015.
14. N. Zlatanov, **V. Jamali**, D. Ng, and R. Schober, "Novel Protocol with Improved Outage Probability Performance for the Fading Two-Hop Half-Duplex Relay Channel," in *Proc. IEEE ICC*, May 2016.
15. N. Zlatanov, **V. Jamali**, and R. Schober, "On the Capacity of the Two-Hop Half-Duplex Relay Channel," in *Proc. IEEE Globecom*, Dec. 2015.
16. R. Simoni, **V. Jamali**, N. Zlatanov, R. Schober, L. Pierucci, and R. Fantacci, "Buffer-Aided Diamond Relay Network with Block Fading," in *Proc. IEEE ICC*, pp. 1982-1987, Jun. 2015.
17. W. Wicke, N. Zlatanov, **V. Jamali** and R. Schober, "Buffer-aided Relaying with Discrete Transmission Rates," in *Proc. IEEE CWIT*, pp. 186-189, Jul. 2015.

18. N. Zlatanov, **V. Jamali**, and R. Schober, "Achievable Rates for the Fading Half-Duplex Opportunistic Relay Network Using Buffer-Aided Relaying," in *Proc. IEEE Globecom*, 2014.
19. H. Shoukry, N. Zlatanov, **V. Jamali**, and R. Schober, "Achievable Rates for the Fading Three-Hop Half-Duplex Relay Network using Buffer-Aided Relaying," in *Proc. IEEE Globecom*, 2014.

Full-Duplex Communications

1. N. Zlatanov, E. Sippel, **V. Jamali**, and R. Schober, "Capacity of the Gaussian Two-Hop Full-Duplex Relay Channel with Self-Interference," *IEEE Trans. Commun.*, 2017.
2. N. Zlatanov, E. Sippel, **V. Jamali**, and R. Schober, "Capacity of the Gaussian Two-Hop Full-Duplex Relay Channel with Self-Interference," in *Proc. IEEE Globecom.*, Dec. 2016.

LDPC Code Design

1. **V. Jamali**, Y. Karimian, J. Huber, and A. Ahmadian, "On the Design of Fast Convergent LDPC Codes: An Optimization Approach," *IEEE Trans. Commun.*, vol. 63, no. 2, pp. 351-363, Feb. 2015.
2. **V. Jamali**, Y. Karimian, J. Huber, and A. Ahmadian, "An Efficient Complexity-Optimizing LDPC Code Design for the Binary Erasure Channel," in *Proc. IEEE ISTC*, pp. 238-242, 18-22 Aug. 2014.

Cognitive Radio Networks

1. **V. Jamali**, N. Reisi, M. Ahmadian, and S. Salari, "Optimization of Linear Cooperation for Spectrum Sensing over Correlated Log-normal Shadow Fading Channels," *Wireless Personal Commun., Springer*, vol. 72, pp. 1691-1706, Apr. 2013.
2. **V. Jamali**, N. Reisi, M. Ahmadian, and S. Salari, "Bayesian-based Cooperative Framework for Spectrum Sensing in Cognitive Radio Networks," *Int. J. of Inf. and Commun. Tech.*, vol 3, no 3, Jun. 2011.
3. **V. Jamali**, B. Golkar, S. Salari, M. Ahmadian and E.S. Sousa, "Cooperative Spectrum Sensing with Per-User Power Constraints," in *Proc. IEEE PIMRC*, pp. 1559-1564, Sep. 2012.
4. **V. Jamali**, N. Reisi, S. Salari, and M. Ahmadian, "Bayesian-based Cooperative Framework for Spectrum Sensing in Cognitive Radio Networks," in *Proc. IEEE ICEE*, pp. 1-5, May 2011.
5. **V. Jamali**, S. Salari, N. Reisi, J. P. Cances, and M. Ahmadian, "Linear Cooperation for Spectrum Sensing over Correlated Log-normal Shadow Fading Channels," in *Proc. IEEE WPMC*, pp. 1-5, Oct. 2011.
6. **V. Jamali**, R. A. S. Zadeh, S. H. Safavi, and S. Salari, "Optimal Cooperative Wideband Spectrum Sensing in Cognitive Radio Networks," in *Proc. IEEE ICUFN*, pp. 371-374, Jun. 2011.
7. N. Reisi, M. Ahmadian, **V. Jamali**, S. Salari, "Cluster-Based Cooperative Spectrum Sensing over Correlated Log-Normal Channels and Noise Uncertainty in Cognitive Radio Networks," *IET Journal*, vol. 6, no. 16, pp. 2725-2733, 2012.
8. S. H. Safavi, M. Ardebilipour, **V. Jamali**, and M. Ahmadian, "Distributed Beamforming for SINR Balancing Approach in Cognitive Two-way Relay Networks with Imperfect Channel State Information," in *Proc. IEEE ICEE*, pp. 1342-1346, Aug. 2012.
9. N. Reisi, **V. Jamali**, M. Ahmadian and S. Salari, "Cooperative Spectrum Sensing over Correlated Log-normal Channels in Cognitive Radio Networks based on Clustering," in *Proc. IEEE ICT*, pp. 161-168, Jun. 2011.
10. S. H. Safavi, R. A. S. Zadeh, **V. Jamali**, and S. Salari, "Interference Minimization Approach for Distributed Beamforming in Cognitive Two-way Relay Networks," in *Proc. IEEE PACRIM*, pp. 532-536, Aug. 2011.
11. N. Reisi, **V. Jamali**, M. Ahmadian and S. Salari, "Cluster-based Cooperative Spectrum Sensing in Cognitive Radio Networks under Log-normal Shadow Fading," in *Proc. IEEE ICEE*, pp. 1-5, May. 2011.

Other Topics

1. **V. Jamali**, N. Zlatanov, and R. Schober, "Cooperative Wireless Backhauling," in *ITG Int. Conf. Sys., Commun. Coding*, Feb. 2017.
2. M. Najafi, **V. Jamali**, and R. Schober, "Adaptive Resource Allocation for the Fading Interference Channel with Source Cooperation," in *Proc. IEEE IWCIT*, pp. 1-6, May 2015.

Research Collaborators

Prof. Andrea Goldsmith, Full Professor at Stanford University, California, USA.

IEEE Fellow, Chair of Stanford's Faculty Senate, and Member of (US) National Academy of Engineering.

Prof. Johannes Huber, Full Professor at Friedrich-Alexander-University (FAU) of Erlangen-Nuremberg, Erlangen, Germany).

IEEE Fellow, Head of Institute for Information Transmission (LIT), Fellow of the Royal Society of Edinburgh, Full Member of the Bavarian Academy for Sciences and Humanities

Prof. Romano P. Fantacci, Full Professor at University of Florence, Italy.

IEEE Fellow, Head of the Wireless Networks Research Group, and former Editor of IEEE Trans. Communications and IEEE Trans. Wireless Communications

Prof. Murat Uysal, Full Professor at Ozyegin University, Istanbul, Turkey (Adjunct Faculty of the University of Waterloo, Canada).

IEEE Senior Member, Chair of the Department of Electrical and Electronics Engineering, Director of the EU COST Action OPTICWISE, and Editor of IEEE Trans. Communications and IEEE Trans. Wireless Communications

Prof. M. Nasiri-Kenari, Full Professor at Sharif University of Technology, Iran.

Editor of IEEE Trans. Communications and head of Wireless Research Laboratory (WRL) at Sharif University

Dr. Derrick Wing Kwan Ng, Assistant Professor at University of New South Wales, Sydney, Australia.

Editors of IEEE Communications Letters, IEEE Trans. Wireless Communications, and IEEE Trans. Green Communications and Networking

Dr. Nikola Zlatanov, Assistant Professor at Monash University in Melbourne, Australia.

Editor of IEEE Communications Letters

Dr. Aissa Ikhlef, Assistant Professor at Durham University, UK.

Editor of IEEE Communications Letters

Dr. Nariman Farsad, Postdoctoral Fellow at Stanford University, California, USA.

Languages

Persian **Perfect**

English **Fluent**

German **Basic**

Mother Tongue

TOEFL (iBT): 105/120

Level: B1

Personal Interests and Hobbies

Music, Literature, and Philosophy

References

Prof. Robert Schober.

- Department Head, Institute for Digital Communications (IDC), Friedrich-Alexander-University (FAU) of Erlangen-Nuremberg, Erlangen, Germany
- IEEE Fellow, Chair of the Steering Committee of the IEEE Transactions on Molecular, Biological and Multiscale Communication, Former Editor-in-Chief of the IEEE Transactions on Communications
- Contact Information:
Email: robert.schober@fau.de
Phone: +49(0)9131 85 27162

Prof. George K. Karagiannidis.

- Professor, Aristotle University of Thessaloniki, Thessaloniki, Greece
- IEEE Fellow, Former Editor-in-Chief of the IEEE Communications Letters
- Contact Information:
Email: geokarag@auth.gr
Phone: +30 231 099 4178

Prof. Johannes Huber.

- Department Head, Institute for Information Transmission (LIT), Friedrich-Alexander-University (FAU) of Erlangen-Nuremberg, Erlangen, Germany
- IEEE Fellow, Fellow of the Royal Society of Edinburgh, Full Member of the Bavarian Academy for Sciences and Humanities
- Contact Information:
Email: johannes.huber@fau.de
Phone: +49 9131 85 27112