

CURRICULUM VITAE (CV)



Name: Mohamed Atef, **Date of Birth:** Oct. 1978, **Nationality:** Egyptian
Current Position: Associate Prof. at Department of Electrical Engineering, Assiut University, Egypt.
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Education:

- **2007 to 2010:** PhD, Vienna University of Technology, Institute of Electrodynamics, Microwave and Circuit Engineering.

PhD. Thesis entitle: Multilevel Transmission over Plastic Optical Fiber Using an Integrated Optical Receiver.

- **2002 to 2005:** M.Sc., Department of Electrical Engineering, Assiut University, Egypt.

M. Sc. Thesis entitle: Study of Direct Tunneling Current through Ultra-thin Gate Oxide MOSFET and its Effect on CMOS Circuits.

- **1995 to 2000:** B.Sc., Department of Electrical Engineering, Assiut University, Egypt.

Professional Experience:

- **Jan. 2016 up to now:** Associate Prof. at Department of Electrical Engineering, Assiut University, Egypt.

- **September 2015 up to September 2017:** Visiting BiCASL Lab, School of Microelectronics, Shanghai Jiao Tong University.

- **September 2016 up to September 2017:** Adjunct teaching position, University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI).

- **Dec. 2010 to Dec. 2015:** Assistant Prof. at Department of Electrical Engineering, Assiut University, Egypt.

- **Jan. 2011 up to Dec. 2012:** Post-Doctoral researcher at Vienna University of Technology, Institute of Electrodynamics, Microwave and Circuit Engineering.

- **2006 to 2007:** Researcher in Microelectronic Dept. CTU University, Prague.

- **2005 to 2006:** Senior teaching assistant, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt.

- **2001 to 2005:** Teaching assistant, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt.

- **2001:2002:** Engineer at a project to increase the telephone capacity of the of Telecom Egypt, Matarya branch, Cairo as a military service.

- **2000 to 2001:** Engineer at EL-Ahlya company for repairing electronics devices, Sohag, Egypt.

Funded Projects:

- **Project Manager:** Design and Implementation of PV Power Station for Terrestrial Applications Including LED-Based Roadways Lighting with Smart Control System, Supporting of Excellence Students Projects (SESP) , 2015.

- **Project Coordinator:** Establishing EDUTronics Labs in Assiut University, Information Technology Institute (ITI), 2015-2019.

- **Researcher:** Developing optical receivers for future optical network project (FUTON) in 40nm CMOS technology (TU Wien + Lantiq), 2011-2012.

- **Researcher:** Developing fully integrated optical receivers for POF communication in 0.6um BiCMOS technology (TU Wien + A3PICS), 2007-2010.

- **Researcher:** Study and improving the optical characteristics of Quantum Dots (CVUT University), 2006.

Teaching Experiences:

	Course Name	University	Date	Times
MSc. Course	Biomedical Engineering	- Assiut university, Egypt	2019	1
EE322	Electronics (3)	- Assiut university, Egypt - Sohag University, Egypt	2014, 2015	2
E125	Electronics (1)	- Assiut university, Egypt - Sohag University, Egypt	2014, 2015	2
EE425	Electrical Testing(B)	Assiut university, Egypt	2014	1
E126	Electrical Testing (1)	Assiut university, Egypt	2014, 2015	2
MSc. Elective Course	Optoelectronic Integrated Circuits	Assiut university, Egypt	2014, 2015	2
ES26044	Design of Analog Integrated Circuits	SJTU, School of Microelectronics, China	Sept. 2016	1
VE215	Introduction to Electric Circuits	University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI), China	Sept. 2016	1
VE216	Introduction to Signals and Systems	University of Michigan - Shanghai Jiao Tong University Joint Institute (UM-SJTU JI), China	Feb. 2017	1
ES26048	Art of Layout in Analog Integrated Circuits	SJTU, School of Microelectronics, China	Feb. 2017	1
EE422	Electronics Circuits (2)	Assiut university, Egypt	Sept. 2018	1
EE322	Electronics Circuits (1)	Assiut university, Egypt	Jan. 2019	1

Research Interest:

- Integrated Circuits
- Optoelectronics
- Integrated Photodiodes
- Bioelectronics

Scientific Journals Activities:**a- Editorial Board Member:**

- 2019: Guest Editor for Journal of Sensors special issue on: Wearable and Implantable Sensory Systems for Brain Monitoring.
- 2019: Guest Co-Editor for Transaction for Bioinspired circuits and Systems (TBioCAS) special issue on: Wearable and Flexible Integrated Sensors for Screening, Diagnostics, and Treatment (WFISEDIT'19).
- 2013 up to 2015: Far East Journal of Electronics and Communications (FJEC) Editorial board.
- 2012 up to 2014: VLSI-Egypt Magazine Editorial Committee.

b- As a Reviewer:

- IEEE Transactions on Industrial Electronics, (Impact factor=6.5)
- Sensors & Actuators, B: Chemical, (Impact factor=4.286)
- IEEE Access , (Impact factor=3.55)

- IEEE/OSA Journal of Lightwave Technology, (Impact factor=2.86)
- IEEE Transactions on Circuits and Systems I: Regular Papers,(Impact factor=2.3)
- IEEE Photonics Technology Letters, (Impact factor=1.9)
- IEEE Microwave and Wireless Components Letters, (Impact factor=1.88)
- International Journal of Circuit Theory and Applications - Wiley, (Impact factor=1.625)
- IEEE Transactions on Circuits and Systems II, (Impact factor=1.41)
- OSA/IEEE Journal of Optical Communications and Networking (JOCN), (Impact factor=1.3)
- IEEE Transactions on Very Large Scale Integration Systems (TVLSI), (Impact factor=1.1)
- IEE/IET Electronics Letters, (Impact factor=1.1)
- Microelectronics Journal (Impact factor=0.923)
- IET Circuits, Devices & Systems, (Impact factor=0.91)

Conferences Activities:

a- International Advisory Committee:

- The 2nd International Conference on Communication and Electronics Systems (ICCES 2017).

b- Technical Program Committee:

- The IEEE BioMedical Circuits and Systems (BioCA 2016, 2017, 2018).
- IEEE International Symposium on Circuits & Systems (ISCAS 2018, 2019).
- 25th IEEE International Conference on Electronics Circuits and Systems (ICECS 2018).
- International Conference on Intellegent and Interactive Systems (IISA2016, 2017)
- Third International Symposium on Emerging Topics in Circuits and Systems (SET-CAS'17)
- Japan-Egypt Conference on Electronics, Communications and Computers (JEC-ECC 2016).
- International Conference on Sensors Engineering and Electronics Instrumental Advances (SEIA 2015)
- The 3rd International Conference on Consumer Electronics, Communications and Networks (CECNet 2013)
- International Symposium on Signals, Systems and Electronics (ISSSE 2012)

c- As a Reviewer:

- IEEE International Symposium on Circuits & Systems (ISCAS 2018, 2019).
- 25th IEEE International Conference on Electronics Circuits and Systems (ICECS 2018).
- The 13th IEEE BioMedical Circuits and Systems (BioCAS 2017)
- IEEE International Midwest Symposium on Circuits and Systems (MWSCAS 2016, 2019)
- The International Conference on Consumer Electronics, Communications and Networks (CECNet 2013, 2014)
- IEEE Applied Power Electronics Colloquium(IAPEC 2013)
- IEEE Business Engineering and Industrial Applications Colloquium 2013 (IEEE BEIAC 2013)
- IEEE Symposium on Humanities, Science & Engineering Research (SHUSER 2012)
- IEEE Symposium on Industrial Electronics and Applications (ISIEA 2012)
- IEEE Symposium on Industrial Electronics and Applications(ISIEA 2011)
- The International Conference on Electronic Devices, Systems & Applications (ICEDSA 2011 and 2012)
- IEEE Student Conference on Research and Development(SCORED 2011)
- The International Conference on Microelectronic (ICM 2010)

Awards:

- State Encouragement Award in advanced Technological Sciences for 2018.
- Best poster in E-MRS 2007 spring meeting.
- Egyptian Engineering Syndicate Award at 2002.

Memberships:

- Senior Member IEEE since 2012

Listed in :

- Who is Who in the World at 2012 and 2013.

Citation indices:

- Google Scholar H-index : 10

<https://scholar.google.com/citations?user=LJIB2yEAAAAJ&hl=en>

- Scopus H-index : 9

<https://www.scopus.com/authid/detail.uri?authorId=25960546300>

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Publications:

a- **International Books:**

1. **Mohamed Atef** and H. Zimmermann, "Optoelectronic Circuits in Nanometer CMOS Technology", Springer International Publishing Switzerland, ISSN 1437-0387, 2016.
2. **Mohamed Atef** and H. Zimmermann, Optical Communication over POF: Integrated Optical Receiver Technology, Springer International Publishing, Verlag, Berlin, Heidelberg, ISBN 978-3-642-30387-6, 2013.

b- **Journals papers:**

3. Binghui Lin, **Mohamed Atef**, Guoxing Wang, 14.85 μ W Analog Front-End for Photoplethysmography Acquisition with 142-dB Ω Gain and 64.2-pArms Noise, Sensors, vol.19, no.512, pp.1-13, Jan 2019.
4. Ahmed Atef, **Mohamed Atef**, Mohamed Abbas, Elsayed Esam M. Khaled, Guoxing Wang, Fully integrated wide dynamic range optical receiver for Near Infrared Spectroscopy, Microelectronics Journal, vol. 85, pp. 92-97, March 2019.
5. Yuting Hou , Jiali Qu , ZhenZhen Tian , **Mohamed Atef** , Khalil Yousef , Guoxing Wang Lian Young, A 61-nW Level-Crossing ADC with Adaptive Sampling for Biomedical Applications , TCAS II, June 2018.
6. Yuting Hou, Khalil Yousef, **Mohamed Atef**, Guoxing Wang, Yong Lian, A 1-to-1kHz, 4.2-to-544-nW, Multi-level Comparator Based Level-Crossing ADC for IoT Applications , TCAS II, vol.65, no.10, pp. 1390 - 1394, July 2018.
7. Guoxing Wang, **Mohamed Atef**, and Yong Lian, Towards a Continuous Noninvasive Cuffless Blood Pressure Monitoring System Using PPG: Systems and Circuits Review, IEEE Circuits and Systems Magazine (CASM), vol.18, no.3, pp.6-26, August 2018.
8. **Mohamed Atef**, Min Wang, Guoxing Wang, A Fully Integrated High-Sensitivity Wide Dynamic Range PPG Sensor With an Integrated Photodiode and an Automatic Dimming Control LED Driver, IEEE Sensors Journal , vol.18, no.2, pp. 652 – 659, Jan. 2018.
9. X. Luo, Y. Chen, **M. Atef**, G. Wang, A 44 Gbit/s Wide-dynamic Range and High-linearity Transimpedance Amplifier in 130 nm BiCMOS Technology, IEICE Transaction on Fundamentals of Electronics , Communications and Computer Sciences, E101A(2), pp. 438-440 , 2018.
10. **Mohamed Atef**, Transimpedance Amplifier with a Compression stage for Wide Dynamic Range Optical Applications, Microelectronics Journal, vol.46, pp. 593–597, 2015.
11. **M. Atef**, F. Aznar, S. Schidl, A. Polzer, W. Gaberl, H. Zimmermann, 8 Gbits/s inductorless transimpedance amplifier in 90 nm CMOS technology, Analog Integrated Circuits and Signal Processing, vol.79 ,no.1, pp.27-36, 2014.
12. **M. Atef**, and H. Zimmermann, "Low-power 10Gb/s Inductorless Inverter Based Common-Drain Active Feedback Transimpedance Amplifier in 40nm CMOS", Analog Integrated Circuits and Signal Processing, vol. 76, no.3, pp 367-376, 2013.
13. **M. Atef**, A. Polzer, and H. Zimmermann, "Avalanche Double Photodiode in 40nm Standard CMOS Technology," IEEE Journal of Quantum Electronics, vol.49, no.3, pp.350-356, 2013.

14. **M. Atef**, A. Polzer, and H. Zimmermann, "High-Speed Photodiodes in 40nm Standard CMOS Technology," *Sensors & Actuators: A. Physical*, vol.193, pp.213-219, 2013.
15. **M. Atef**, Horst Zimmermann, "Optical Receiver Using Noise Cancelling with an Integrated Photodiode in 40nm CMOS Technology," *IEEE Transactions on Circuits and Systems I*, vol.60,no.7, pp.1929-1936, 2013.
16. **M. Atef**, R. Swoboda, H. Zimmermann, "250Mbit/s over 100m SI-POF with RCLED source using Integrated Post-Equalizer," *Electronics Letters*, vol.48, no.12, pp.718-720, 2012.
17. **M. Atef**, R. Swoboda, H. Zimmermann, "Real Time 1.25Gbit/s Transmission over 50m SI-POF Using a Green Laser Diode", *IEEE Photonics Technology Letters*,pp.1331-1333,2012.
18. **M. Atef**, R. Swoboda, H. Zimmermann, "1.25Gbit/s Over 50 m Step-Index Plastic Optical Fiber Using a Fully Integrated Optical Receiver With an Integrated Equalizer," *IEEE/OSA Journal of Lightwave Technology*, vol.30, no.1, pp.118-122, 2012.
19. **M. Atef**, R. Swoboda and H. Zimmermann, "1Gbit/s transmission over step-index plastic optical fiber using an optical receiver with an integrated equalizer," *Journal of Optics Communications*, vol. 284, Issue 21, pp.5153 – 5156,2011.
20. **M. Atef**, W. Gaberl, R. Swoboda and H. Zimmermann, "An Integrated Optical Receiver for Multilevel Data Communication over Large Core Step Index Plastic Optical Fiber," *Journal of Analog Integrated Circuits and Signal Processing*, vol. 67, no. 1, pp 3-9, 2011.
21. **M. Atef**, R. Swoboda, and H. Zimmermann, "170Mbit/s Multilevel Transmission over 115m Standard Step-Index Plastic Optical Fiber Using an Integrated Optical Receiver," *Journal of Optics Communications*, vol. 284, no. 1, pp. 191-194, 2010.
22. **M. Atef**, R. Swoboda and H. Zimmermann, "An optical receiver for eight-level data communication over step index plastic optical fiber," *Journal of Optics Communications*, vol. 283, Issue 11, pp.2350 – 2352, 2010.
23. **M. Atef**, R. Swoboda, H. Zimmermann, "Optical receiver for multicarrier modulation in short-reach communication," *Electronics Letters*, vol. 46, no. 3, pp. 225–226, 2010.
24. **M. Atef**, R. Swoboda, H. Zimmermann, "Giga-bit optical receiver for plastic optical fibre, *Journal of Optics Communications*," vol. 283, pp.391 – 395, 2010.
25. **M. Atef**, R. Swoboda, H. Zimmermann, "Optical receiver with large-area photodiode for multilevel modulation, *Journal of Optical and Quantum Electronics*," vol. 41, pp.131 – 135, 2009.
26. **M. Atef**, R. Swoboda, H. Zimmermann, "Optical receiver front-end for multilevel signaling," *Electronics Letters*, vol. 45, pp.121 -122, 2009.
27. P. Hazdra, J. Oswald, **M. Atef**, K. Kuldová, A. Hospodková, E. Hulicius and J. Pangrác, "InAs/GaAs quantum dot structures covered by InGaAs strain reducing layer characterized by photomodulated reflectance," *Materials Science and Engineering: B, Volume 147, Issues 2-3*, 15, pp.175-178, 2008.
28. **Mohamed Atef**, *Integrated Photodiodes in Nanometer CMOS*, *Electrical and Electronics Engineering: An International Journal (ELELIJ)*, vol.3, no.2, pp.141-160, 2014. DOI : 10.14810/elelij.2014.3212
29. **M. Atef**, P. Hazdra, V. Komarnitsky, J. Oswald, K. Kuldová, et al., "Study of InAs/GaAs quantum dots grown by LP-MOVPE," *Acta Metallurgica Slovaca Spec. Issue*. 2007, vol. 13.
30. M.A.EL-Sayed, **M. Atef**, "Study of tunneling current through ultra-thin gate oxide MOSFET and its effect on CMOS circuits," *Journal of Engineering Sciences*, vol. 33, no. 3, pp.929-941, 2005.

c- **Conferences papers:**

31. Ehab A. Hamed, **Mohamed Atef**, Mohamed Abbas, A Low Power Programmable Gain Integrated Front-End for Electromyogram Signal Sensing, MIXDES 2018. **(Accepted)**
32. Yuting Hou, Jiali Qu, Zhenzhen Tian, **Mohamed Atef**, Khalil Yousef, Yong Lian, Guoxing Wang, 60-nW Level-Crossing ADC with Adaptive Sampling for Biomedical Applications“, 2018 ISSCC Student Research Preview (SRP), 2018.

33. A. Atef, **M.Atef**, M. Abbas, E. M. Khaled, D. Cui, M. Sawan, G. Wang, Wide Dynamic Range Integrated Optical Receiver for Near Infrared Spectroscopy, 8th International IEEE EMBS Neural Engineering Conference, Shanghai, China, May 2017.
34. Zhengnan Yan, **Mohamed Atef**, Guoxing Wang, Donghong Cui, Mohamad Sawan, Low-Noise 8-Channels Chopper-Stabilized EEG Acquisition System, , 8th International IEEE EMBS Neural Engineering Conference, Shanghai, China, May 2017.
35. Binghui Lin, **Mohamed Atef**, and Guoxing Wang, A Low-Power High-Sensitivity Analog Front-End for PPG Sensor, the 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'17), Jeju Island, South Korea, pp. 861 – 864, July, 2017.
36. Ehab A. Hamed, **Mohamed Atef**, Mohamed Abbas, An Ultralow-power High-gain Biopotential Amplifier for Electromyogram Signal Recording, Japan-Africa Conference on Electronics, Communications and Computers (JAC-ECC), pp.33-66, Dec., 2017 .
37. Zhengnan Yan, **Mohamed Atef** , and Guoxing Wang, Low-Noise High Input Impedance 8-Channels Chopper-Stabilized EEG Acquisition System, the 30th international IEEE System on Chip Conference (SOCC 2017), Munich, Germany, pp. 51 – 55, 2017.
38. Min Wang, **Mohamed Atef**, Qingsong Xie, Yong Lian, Guoxing Wang, Live Demonstration: A Ring-type Blood Pressure Monitoring System Based on Photoplethysmography, 2017 IEEE Biomedical Circuits and Systems Conference (BioCAS 2017), Torino, Italy, pp. 1-1, 2017.
39. Ahmed Atef , **Mohamed Atef** , Mohamed Abbas, and Elsayed Esam M. Khaled, 1.44 mW and 60 dB Dynamic Range Optical Receiver for Near Infrared Spectroscopy, “ The 28nd International Conference on Microelectronic (ICM2016), Cairo, Egypt, pp.21-24, December, 2016.
40. Baizhong Zhou, Xunhua Guo, **Mohamed Atef** and Guoxing Wang, Hall Sensor System Design and Modeling for Current-Measurement in Power Meters, “ The 28nd International Conference on Microelectronic (ICM2016), Cairo, Egypt, pp. 49-52, December, 2016.
41. Bo liang, Kefeng Duan, Qingsong Xie, **Mohamed Atef**, Zhiliang Qian, Guoxing Wang and Yong Lian, Live Demonstration: A Support Vector Machine Based Hardware Platform for Blood Pressure Prediction, 2016 IEEE Biomedical Circuits and Systems Conference (BioCAS 2016), pp.130-131, October, 2016.
42. **Mohamed Atef**, Li Xiyan, Guoxing Wang, Yong Lian, PTT Based Continuous Time Non-invasive Blood Pressure System, IEEE International Midwest Symposium on Circuits and Systems (MWSCAS), pp.333-336, October, 2016.
43. Daaa Abd-elrahman; **Mohamed Atef**, Guoxing Wang , 10 Gb/s 1.95 mW Active Cascode Transimpedance Amplifier for High Speed Optical Receivers , IEEE International Midwest Symposium on Circuits and Systems (MWSCAS), pp.775-778, October, 2016.
44. Kefeng Duan, Zhiliang Qian, **Mohamed Atef**, Guoxing Wang, A Feature Exploration Methodology for Learning Based Cuffless Blood Pressure Measurement using Photoplethysmography, IEEE 38th Annual International Conference of the Engineering, in Medicine and Biology Society (EMBC), pp. 6385- 6388 , October, 2016.
45. Ahmed Atef , **Mohamed Atef**, Mohamed Abbas , Elsayed Esam, High-Sensitivity Regulated Inverter Cascode Transimpedance Amplifier for Near Infrared Spectroscopy, Fourth International Japan-Egypt Conference on Electronics, Communications and Computers (JEC-ECC), pp. 103- 106, May, 2016.
46. Ehab A. Hamed, **Mohamed Atef**, Mohamed Abbas, R. R. Gharieb , Transferring Electromyogram Signal between Limbs, Fourth International Japan-Egypt Conference on Electronics, Communications and Computers (JEC-ECC), pp.141-144, May, 2016 .
47. **Mohamed Atef**, Ahmed Atef, Mohamed Abbas, ”Low-Power Transimpedance Amplifier for Near Infrared Spectroscopy”, IEEE International Symposium on Circuits and Systems (ISCAS), pp. 2423-2426, May, 2016.
48. Daaa Abd-Elrahman, **Mohamed Atef**, Mohamed Abbas, Mohamed Abdelgawad, Low Power Transimpedance Amplifier Using Current Reuse with Dual Feedback, 2015 IEEE Intl. Conference on Electronics, Circuits, & Systems (ICECS 2015), Cairo, pp.244-247, December, 2015.

49. **Mohamed Atef**, Regulated Cascode Transimpedance Amplifier Based on a Cascode Inverter Local Feedback, The 32st National Radio Science Conference (NRSC2015), Cairo, pp.360-367 2015.
50. **Mohamed Atef**, Ehab A. Hamed, Abdu-Allah Mahfouz, Implementation of Optical Distance Measurement Using Correlation-Based and Time Stretching Technique on Digital Signal Controller, The 32st National Radio Science Conference (NRSC2015), Cairo, pp.344-351, 2015.
51. Diaa Abd-elrahman, **Mohamed Atef**, Mohamed Abbas, and Mohamed Abdelgawad, Current-Reuse Transimpedance Amplifier with Active Inductor, International Symposium on Signals, Circuits and Systems (ISSCS), Lasi, pp.1-4, 2015.
52. **Mohamed Atef**, High gain transimpedance amplifier with current mirror load, 21st International Conference on Mixed Design of Integrated Circuits & Systems (MIXDES), pp.220-223, Poland, 2014.
53. **M. Atef**, D. Abd-elrahman, 2.5 Gbit/s compact transimpedance amplifier using active inductor in 130nm CMOS technology, 21st International Conference on Mixed Design of Integrated Circuits & Systems (MIXDES), pp.103-107, Poland, 2014.
54. **Mohamed Atef**, Horst Zimmermann, Integrated equalizer for high-speed short-distance optical communication link, The 31st National Radio Science Conference (NRSC2014), pp.334-340, Cairo, 2014.
55. **Mohamed Atef**, Integrated Photodiodes in Nanometer CMOS, Second International Conference on Emerging Trends in Electrical, Electronics & Instrumentation Engineering (EEI 2014), Dubai, UAE, pp.329-348, April 2014.
56. **M. Atef**, Hong Chen and H. Zimmermann, "10Gb/s Inverter Based Cascode Transimpedance Amplifier in 40nm CMOS Technology", 16th IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems (DDECS2013), Karlovy Vary, Czech Republic, pp.72-75, 2013.
57. **M. Atef** and H. Zimmermann, "10Gbit/s 2mW Inductorless Transimpedance Amplifier", IEEE International Symposium on Circuits and Systems (ISCAS2012), Seoul, South Korea, pp. 1728 -1731, 2012.
58. **M. Atef** and H. Zimmermann, "2.5Gbit/s Transimpedance Amplifier Using Noise Cancelling for Optical Receivers", IEEE International Symposium on Circuits and Systems (ISCAS2012), Seoul, South Korea, pp.1740 - 1743, 2012.
59. **M. Atef**, R. Swoboda and H. Zimmermann, "A Gigabit Fully Integrated Plastic Optical Fiber Receiver for a RCLED Source," 15th IEEE Symposium on Design and Diagnostics of Electronic Circuits and Systems (DDECS2012), Talline, Estonia, pp.74-78, 2012.
60. **M. Atef**, R. Swoboda, H. Zimmermann, "An Integrated Optical Receiver for 2.5Gbit/s Using 4-PAM Signaling", "The 22nd International Conference on Microelectronic (ICM2010), Cairo, Egypt, pp.76-79, 2010.
61. **M. Atef**, R. Swoboda, H. Zimmermann, "Gigabit Transmission over PMMA Step-Index Plastic Optical Fiber Using an Optical Receiver for Multilevel Communication," The 36th European Conference on Optical Communication (ECOC 2010), Torino, Italy, pp. 1351-1353, 2010.
62. **M. Atef**, W. Gaberl, R. Swoboda, H. Zimmermann, "An Integrated Optical Receiver for Multilevel Data Communication over Plastic Optical Fiber," 27th NORCHIP 2009, Trondheim, Norway, pp.1-4, 2009.
63. **M. Atef**, W. Gaberl, R. Swoboda, H. Zimmermann, "4-PAM Monolithic Optical Receiver," Optics in Computing, Vienna, pp. 48-52, 2009.
64. **M. Atef**, W. Gaberl, R. Swoboda, H. Zimmermann, "Multilevel Signaling Optical Receiver for High-Speed Transmission over Large-Core Step-Index Plastic Optical Fibre," Austrochip 2009, Graz, pp. 1-4, 2009.
65. **M. Atef**, R. Swoboda, H. Zimmermann, "A Front-End Optical Receiver for Multi-Level Data Transmission," Informationstagung Mikroelektronik (ME2008), pp. 246-249, 2008.
66. **M. Atef**, R. Swoboda, H. Zimmermann, "An Automatic Gain Control Front-End Optical Receiver for Multi-Level Data Transmission," 26th Norchip Conference, Tallinn, Estonia, pp. 57-60, 2008.
67. **M. Atef** "Electronic States Simulation of InAs/GaAs Quantum Dots from MOVPE," Prague, CTU, Faculty of Electrical Engineering, pp. EI3-1-EI3-5, 2007.

68. **M. Atef**, P. Hazdra, V. Komarnitskyy, J. Oswald, K. Kuldová, et al., "Simulation of Electronic States in InAs/GaAs Quantum Dots," In Electronic Devices and Systems - IMAPS CS International Conference 2007. Brno: Vysoké učení technické v Brně, pp. 11-16, 2007.
69. P. Hazdra, **M. Atef**, V. Komarnitskyy, J. Oswald, K. Kuldová, et al. "Study of InAs/GaAs Quantum Dots Grown by LP-MOVPE," Int. Conf. NANO'07. Brno: Česká společnost pro nové materiály a technologie, pp. 36, 2007.
70. P. Hazdra, J. Oswald, **M. Atef**, J. Voves, K. Kuldová, et al. "InAs/GaAs quantum dot structures covered by InGaAs strain reducing layer characterised by photomodulated reflectance," In E-MRS Spring Meeting 2007, Strasbourg: E-MRS, pp. 7-15, 2007.
71. P. Hazdra, **M. Atef**, V. Komarnitskyy, J. Oswald, K. Kuldová, et al., "Characterisation and Simulation of Electronic States in MOVPE Grown InAs/GaAs Quantum Dots", In: Proceedings of Workshop 2008. Praha: Czech Technical University in Prague, vol. A, pp. 208-209, 2008.

Referees:

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