
CURRICULUM VITAE



DR. MUHAMMAD ARIF KHAN (HEC APPROVED PHD SUPERVISOR)

Position : Assistant Professor
Faculty/Department : Faculty of Electrical, Computer, IT & Design, Department of IT & Computer Sciences, Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology, Khanpur Road, Mang Haripur Pakistan
Email : muhammad.arif@adjunct.paf-iast.edu.pk
or marifkhan_qau@hotmail.com,
H/Phone : +92-3454514315
Office : Room # 203, Ground Floor C1 Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology, Khanpur Road, Mang Haripur Pakistan
Researcher ID : AAP-6570-2021
Orcid ID : 0000-0001-8535-9378
Scopus ID : 57478221400
DOB : 30 March 1980
Teaching Interests : Applied Sciences & Engineering Technology

BIOGRAPHY

Dr. Muhammad Arif Khan is an Assistant Professor in the Faculty of Electrical, Computer, IT & Design, Department of IT & Computer Science at Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology, Pakistan. Prior to joining Pak-Austria Fachhochschule, he worked as a Post-doctoral fellow at Faculty of Electrical and Electronics Engineering, Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia. His research interests are focus on applied physics instrumentation ‘Micro and Nanofabrication, Thin Film Materials and Devices, surface science at the Nano-scale and metal oxide semiconductor Nanowires and its heterostructures for current transport properties, Nano-catalysis and metal oxide gas sensor and bio-sensing applications. He has several publications in highly reputed journals and also acts as a reviewer for many international journals including Surfaces and Interfaces, Optical Materials, Radiation Physics and Chemistry and Sensors & Actuators: A. Physical. He has been member of editorial boards and chaired conference organizational committees. Dr. Arif has successfully carried out several funded research projects related to Science & Technology. He has presented his research work at various renowned international conferences and won several awards such as “Best Paper Award” at IEEE International Conference on Sensor & Nanotechnology 2021 for Nano-track, “Best Poster Award” at International workshop 2018 on 2D Materials & Quantum Effect Devices, and “Bronze Award” for category Science and Technology for Research Exhibition Competition 2017. Furthermore, he has also an effective teaching experience, as he worked as an Assistant professor at International Islamic University Islamabad, Pakistan and Riphah International University Islamabad, Pakistan. He is HEC approved PhD supervisor. He taught

and supervised undergraduate and postgraduates' students. He also possessed various excellent administrative and societies activities positions such as Director Sport & Co-Curricular activities, President of International Student Society and member of Executive Committee for organizing international conferences and Session Chair. He is able to work in a managerial role or as part of team and having the proven ability to work successfully to tight schedules and deadlines.

EDUCATION QUALIFICATION:

Certificate /Degree obtained	Institution attended	Year attended		Major Subjects
		From	To	
Ph. D.	Universiti Teknologi Malaysia	2013	2017	Applied Physics (Advanced Materials & Nanotechnology)
M.Phil	Quaid-I-Azam University, Islamabad, Pakistan	2005	2007	Physics (Material Science)
M.Sc.	Quaid-I-Azam University, Islamabad, Pakistan	2002	2005	Physics
B.Sc.	Gomal University D-I-Khan, Khyber Pukhtoonkhwa, Pakistan	1999	2001	Physics

PROFESSIONAL QUALIFICATION/TRANINGS:

Name & place of Institution	Certificate / Diploma obtained	Year attended		Major subjects
		From	To	
Riphah International University Islamabad, Pakistan	Postgraduate Graduate Diploma in Professional Ethic and Teaching Methodology. PGD (PE&TM)	Sep 2010	August 2011	Professional Ethic & Morality, Teaching Methodology, Education & Curriculum, Assessment & evaluation, Human Diversity & Development, Islamic Thought & World Culture.

PROFESSIONAL PROFILE (EMPLOYMENT RECORD & EXPERIENCE):

Post Held	Institution / Organization	Duration		Total Experience		
		From	To	Years	Month	day
Assistant Professor	Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology, Pakistan.	08-03-2023	till	-	-	-
Post-Doctoral Fellow	Universiti Tun Hussein Onn Malaysia	16-08-2021	15-08-2022	01	0	0
Post-Doctoral Fellow	Universiti Tun Hussein Onn Malaysia	16-06-2020	15-06-2021	01	0	0
Post-Doctoral Fellow	Universiti Tun Hussein Onn Malaysia	02-06-2019	01-06-2020	01	0	0
Assistant Professor	International Islamic University, Islamabad Pakistan	14-02-2018	13-02-2019	01	0	0
Research Associate	Department Physics, Faculty Science, Universiti Teknologi Malaysia	16-12-2013	15-12-2015	02	0	0

Assistant Professor	Riphah International University, Islamabad Pakistan	08-10-2008	30-03-2013	04	5	21
Senior Lecturer (Medical Physics)	Margalla Institute Of Health Sciences, Rawalpindi Pakistan	01/9/2007	07/10/2008	01	01	07
Research Associate	Department Physics, Quaid-I-Azam University, Islamabad, Pakistan	01-11-2006	31-10-2007	01	0	0
TOTAL EXPERIENCE				13	02	28

POSTGRADUATE & UNDERGRADUATE TAUGHT COURSES

1.	PHY410 Laboratory- VII (Modern Physics)
2	PHY324 Statistical Physics
3	PHY 453 Mathematical methods of Physics
4	PHY463 Image Processing and data analysis
5	PHY 421 Classical Mechanics
6	PHY469 Mathematical Modelling and regression analysis techniques
7	Phy467 Statistical techniques for data analysis
8	PHY424 Nano Materials and applications
9	PHY473 Instrumental analysis & Technique
10	GC192 Applied Physics
11	PHY462 Material Science-II
12	PHY454 Spectroscopy Technique
13	PHY457 Radiation Physics
14	PHY 461 solid state theory
15	PHY619 Material Science-1
16	PHY719 Advance Nanoscience and Technology
17	PHY720 Research Methodology-I
18	PHY711 Engineering Physics
19	PHY725 Semiconductor Devices
20	PHY726 Engineering Mathematics-1
21	PHY709 Heat and Applied Thermodynamics
22	PHY729 Laboratory courses I &II
23	PHY730 Laboratory courses III &IV

AWARDS & HONORS

1. Post-Doctoral Fellow Award “Microelectronics and Nanotechnology Shamsuddin Research Centre (MiNT-SRC), Faculty of Electrical and Electronics Engineering, Universiti Tun Hussein Onn Malaysia (UTHM), 86400 Batu Pahat, Johor” June 2019 – August 2022.
2. “Best Paper Award” at IEEE International Conference on Sensor & Nanotechnology 2021 for Nano-track, Malaysia IEEE Chapter, 22-24 September 2021.
3. Principal Investigator “Metal Oxide Semiconductors Nanowires For Optoelectronics and Photocatalytic applications” Start-Up Research Grant Program (SRGP), No:21-2018/SRGP/R&D/HEC/2018, 0.5 Million Rupees.
4. *Outstanding Performance award* in Poster presented at “International Workshop on 2D Materials and Quantum Devices” Organized by Pakistan Institute of Engineering & applied Sciences (PIEAS) Nilore, Islamabad Pakistan on 12-14 November 2018 at Department of Physics and Mathematics.

5. *Second Position* “CEMP 2017 NUST POSTER COMPETITION” Conference on Emerging Materials and Processes (CEMP 2017) Organized by School of Chemical of Chemical & Material Engineering NUST Islamabad, Pakistan on 13-14 November 2017 at SCME Hall, NUST.
6. *Bronze Award* “SCIENCE AND TECHNOLOGY” 1st GRADUATE RESEARCH EXHIBITION COMPETITION (GREx COM 2017) Organized by SPS on 19 September 2017 at Convention Hall, Faculty of BUILT Environment, Universiti Teknologi Malaysia.
7. Successfully participation in “MASS MICROGRAPH AWARD 2016” from 1st August 2016 to 10th October 2016, jointly organized by Advanced Optical Research Group (AOMRG), Physics Department Faculty Science, Hi-Tech Instruments Sdn. Bhd & Malaysian Solid State and Technology Society (MASS).
8. UTM International Doctoral Fellowship (IDF) For Session 20142015 & 20152016
Ref: UTM.J.10.01/13.14/1/128 (201304M10005)
9. Higher Education Commission of Pakistan (HEC) scholar under program “Partial Support for PhD Studies Abroad”, at Universiti Teknologi Malaysia. Ref:1-8/HEC/HRD/2015/5050 (k)
10. “Excellent Oral Presentation” award at The Twelfth Regional Annual Fundamental Science Symposium 2014 (12th RAFSS 2014) 8th -10th September 2014 Persada Johor International Conventional Centre Organized by Ibnu Sinu Institute for Fundamental Science Studies UTM, Johor Bahru, Malaysia in Collaboration with OSAKA UNIVERSITY Graduate School of Engineering Science, Graduate School of Science Japan.
11. Fellowship Award for M.Phil / M.S Degree Program in Physics for semester 1st & 2nd, Department of Physics, Quaid-i-Azam University Islamabad, Pakistan, 2005-2006.

RESEARCH SUPERVISION (POST GRADUATE/MASTER STUDENTS)

S.No	Student's Name	Registration Number	Thesis Title	Year
1	Shadi ullah	505-FBAS/MSPHY/F17	Synthesis and Characterization of Copper Oxide Nano Petals/Flowers for Catalytic Application	2020
2	Raees Khan	517-FBAS/MSPHY/F17	Synthesis and Characterization of ZnS/ZnO nanowires by Thermal Evaporation	2022

RESEARCH SUPERVISION (UNDERGRADUATE STUDENTS)

S.No	Student's Name	Registration Number	Thesis Title	Year
1	Muhammad Waqas Hakim	805-FBAS/BSPHY/S15	Modification of Tube Furnace to Thermal CVD for the Synthesis of ZnO Nanowire	2019
2	Hamza Shahid	822-FBAS/BSPHY/S15		
3	Muhammad Irfan	832-FBAS/BSPHY/S15		

EVALUATION OF POSTGRADUATE (MASTER) THESIS & INTERNAL EXAMINER

S.No.	Name of Student	Registration Number	Title
1	Gani-ur-Rahman	336-FBAS/MSPHY/F15	Effect of Mn Doping on the Structure and Physical Properties of ZnO Nanoparticles
2	Usman Ali Shah	402-FBAS/MSPHY/S16	Effect of Sn Doping on the Seebeck Coefficient and electrical conductivity of tin Doped TI9Sb1-xSn3TE6 Nano-particles
3	Kashif Mahmood	280-FBAS/MSPHY/F14	6MV Treatment Beam-Matching for Two different Linear Accelerators in Radiation Therapy

LIST OF PUBLICATIONS:

No	Title of Publication & url Volume, No., Page &ISSN/ISBN	Journal/Years & Role in Publication	Authors	Impact Factor
1	A review on the contamination of SARS-CoV-2 in water bodies: Transmission route, virus recovery and recent biosensor detection techniques https://doi.org/10.1016/j.sbsr.2022.100482 Volume 36, June 2022, ISSN/ISBN: 100482	Sensing and Bio-Sensing Research 2022	Siti Adibah Zamhuri, Chin Fhong Soon, Anis Nurashikin Nordin, Rosminazuin Ab Rahim, Naznin Sultana, Muhammad Arif Khan , Gim Pao Lim, Kian Sek Tee	-
2	Structural and photoluminescence properties of Zinc oxide nanowires synthesized by smart thermal CVD method https://ieeexplore.ieee.org/document/9642666 https://doi.org/10.1109/JPHOT.2021.3088888 ISSN/ISBN: 978-1-6654-0439-6	IEEE EXPLORE 2021 (Principal Author)	Muhammad Arif Khan , Nafarizal Nayan, Mohd Khairul Ahmad, Soon Chin Fhong, Riyaz Ahmad Mohamed Ali and Mohamed	-
3	Advanced Nanoscale Surface Characterization of CuO Nanoflowers for Significant Enhancement of Catalytic Properties https://www.mdpi.com/1420-3049/26/9/2700 26, 2700, 1-15, 2021 ISSN: 1420-3049	Molecules (Principal Author) 2021	Muhammad Arif Khan , Nafarizal Nayan, Shadiullah, Mohd Khairul Ahmad, Soon Chin Fhong, Muhammad Tahir, Riyaz Ahmad Mohamed Ali and Mohamed Sultan	4.927(Q1)
4	Interface Study of Hybrid CuO Nanoparticles Embedded ZnO Nanowires Heterojunction Synthesized by Controlled Vapor Deposition Approach for Optoelectronic Devices https://www.sciencedirect.com/science/article/abs/pii/S0925346721003335 117, 111132, 1-13, 2021 ISSN: 0925-3467	Optical Materials (Principal Author) 2021	Muhammad Arif Khan , Nafarizal Nayan , Mohd Khairul Ahmad, Soon Chin Fhong, Mohamed Sultan Mohamed Ali, Mohd Kamarulzaki Bin Mustafa and Muhammad Tahir	3.75(Q2)
5	ZnO Nanowires Based Schottky Contacts of Rh/ZnO Interfaces for the Enhanced Performance of Electronic Devices https://www.sciencedirect.com/science/article/abs/pii/S2468023020306416	Surfaces and Interfaces (Principal Author) 2020	Muhammad Arif Khan , Nafarizal Nayan, Mohd Khairul Ahmad, Soon Chin Fhong, Muhammad Tahir	6.137(Q1)

	21 (2020) 100649 ISSN: 2468-0230			
6	Surface Study of CuO Nanopetals by Advanced Nanocharacterization Techniques with Enhanced Optical and Catalytic Properties https://www.mdpi.com/2079-4991/10/7/1298 2020, 10, 1298 ISSN 2079-4991	Nanomaterials (Principal Author) 2020	Muhammad Arif Khan, Nafarizal Nayan, Shadiullah, Mohd Khairul Ahmad and Soon Chin Fhong	5.719(Q1)
7	Catalyst Free Fabrication of Novel ZnO/CuO Core-Shell Nanowires Heterojunction: Control Growth, Structural and optoelectronic Properties https://www.sciencedirect.com/science/article/abs/pii/S016943321733341X 435 (2018) 718–732 ISSN: 0169-4332	Applied Surface Science (Principal Author) 2018	Muhammad Arif Khan, Yussof Wahab , Rosnita Muhammad, Samsudi Sakrani, Muhammad Tahir	7.392 (Q1)
8	Synthesis of Cu ₂ O and ZnO Nanowires and their Heterojunction Nanowires by Thermal Evaporation http://eprints.utm.my/id/eprint/62788/ 71:5 (2014) 83-88 ISSN:2180-3722, 0127-9696	Jurnal Teknologi (Sciences and Engineering) (Principal Author) 2014	Muhammad Arif Khan, Samsudi Sakrani, Syahida Suhaima, Yussof Wahab, and Rosnita Muhammad	1.4 (Q3)
9	The Synthesis of Cuprous Oxide Nanowires in the Presence of Oxygen using a Hot Tube Thermal Evaporation Method https://mjfas.utm.my/index.php/mjfas/article/view/398 Vol.11 No.4 (2015) 174-179, ISSN=2289-5981	Malaysian Journal of Fundamental and Applied Sciences (Principal Author), 2015	Muhammad Arif Khan, Samsudi Sakrani, Yussof Wahab, Syahida Suhaimi, and Rosnita Muhammad	0
10	Fabrication and characterization of Cd-enriched CdTe thin films by close spaced sublimation https://link.springer.com/article/10.1007/s11998-008-9111-y 6 (2) 251–256, 2009, ISSN: 1547-0091,1935-3804	Journal of Coating Technology and Research (Principal Author) 2009	Muhammad Arif Khan, Nazar A. Shah, A. Ali, M. Basharat, M. A. Hannan, A. Maqsood	2.382 (Q2)

11	Preparation and physical properties of Cd _x Hg _{1-x} Te thin films fabricated by close spaced sublimation technique https://www.sciencedirect.com/science/article/abs/pii/S0167577X07008750 62 (2008) 1400–1402, doi:10.1016/j.matlet.2007.08.065	Materials letters (Co- author) 2007	M.A. Hannan, M. Basharat, N.A. Shah, A. Ali, M. Arif , A. Maqsood	3.574 (Q2)
12	Structural, optical and electrical characterization of Hg _x Cd _{1-x} Te polycrystalline films Fabricated by two source evaporation technique https://onlinelibrary.wiley.com/doi/abs/10.1002/crat.200710911 42, No. 8, 817 – 821 (2007) / DOI 10.1002/crat.200710911	Crystal Research and Technology (Co- author) 2007	M. Basharat, M. A. Hannan, N. A. Shah, A. Ali, M. Arif , and A. Maqsood	1.639(Q2)
Total Impact Factor				36.92

INTERNATIONAL CONFERENCES

No	Name of Author (s)	Title of Paper	National/International	Venue	Date
1	Muhammad Arif Khan	Vapor Solid Growth of ZnO Nanorods for Optoelectronic Device Applications	International	Institute of Microengineering and Nanoelectronics, Universiti Kebangsaan Malaysia, 43600 Bangi, Selangor, MALAYSIA	11-13 Oct, 2021
2	Muhammad Arif Khan	Structural and photoluminescence properties of Zinc oxide nanowires synthesized by smart thermal CVD Method	International	IEEE Sensor & Nanotechnology 2021 Malaysia	22-24 Sep, 2021
3	Muhammad Arif Khan	Enhancement of STEM Education through Innovation of Nanotechnology	International	Universiti Sains Malaysia	22-24 Jan, 2019
4	Muhammad Arif Khan	Core-Shell Heterojunction Nanowires	International	Pakistan Institute of Engineering & applied Sciences (PIEAS)	12-14 Nov, 2018
5	Muhammad Arif Khan	Catalyst Free Fabrication of Vertically Well-Aligned ZnO Nanowires and Their Improved Structural and Optoelectronic Properties	International	School of Chemical and Materials Engineering (SCME), NUST, Islamabad	13-14 Nov, 2017
6	Muhammad Arif Khan	Novel synthetic methodology of catalyst-free ZnO/CuO core-shell heterojunction nanowire arrays for advanced optoelectronic devices	International	KSL Hotel & Resort #33 Jalan Seladang, Taman Abad, 80250 Johor Bahru, Malaysia	15-17 Nov, 2016

7	Muhammad Arif Khan	A short review on synthesis of Copper Oxide and zinc oxide nanowires and their heterojunction by thermal evaporation	International	Universiti Teknologi Malaysia (UTM), Johor Bahru, Malaysia	19-21 Aug, 2014
8	Muhammad Arif Khan	The Synthesis of Cuprous Oxide Nanowires in the Presence of Oxygen using a Hot Tube Thermal Evaporation Method	International	Persada Johor International Convention Centre, Johor Bahru, Malaysia	8-10 Sep, 2014
9	Muhammad Arif Khan	Structural Properties of Aluminum Doped Zinc Oxide Nanowires	International	Sunway Resort Hotel and Spa, Kuala Lumpur, Malaysia	18-19 Nov, 2014

REVIEWER OF JOURNAL

1. Sensors & Actuators: A. Physical
2. Radiation Physics and Chemistry
3. Optical Materials
4. Computational and Mathematical Methods in Medicine

RESEARCH PROJECT

1. **Title** : **Growth Mechanism and Properties of Hybrid ZnO/TiO₂ Nanowires Synthesized by Chemical Vapor Deposition and Magnetron Sputtering to improve photocatalytic stability of dye synthesized solar cell.**
Grant : FRGS 2022-1
Place : Universiti Tun Hussein Onn Malaysia (UTHM)
Period : 2022-2023
Status : Submitted For Funding
Role : Members
2. **Title** : **Metal Oxide Semiconductor Nanowires for Optoelectronics and Photocatalytic applications**
Grant : START-UP RESEARCH GRANT, HEC Pakistan.
RS 4, 97,000/- Project No: 21-2018/SRGP/R&D//HEC/2018
Place : International Islamic University, Islamabad Pakistan
Period : 2018-2019
Status : Complete
Role : Principal Investigator (P.I)
3. **Title** : **Growth Mechanism and properties of ZnO Nanorods / Nanotubes Synthesis by a very High Frequency PECVD method.**
Grant : FRGS; Ministry of Higher Education Malaysia.
Project No. R.J130000.7809.4F322, RM 100100
Place : Universiti Teknologi Malaysia (UTM)
Period : December16, 2013 to December15, 2015
Status : Completed
Role : Research Associate
4. **Title** : **Fabrication and Characterization of CdTe Thin Films for Semiconductors Radiation Detectors**
Grant : HEC; Higher Education Pakistan. Project No.20-694/2006
Place : Department of Physics QUAD-I-Azam University Islamabad, Pakistan.
Period : November 1, 2006- July 31, 2007

Status : Completed
Role : Research Associate

ICT EXPERIENCE:

- **CasaXPS Software: Knowledge level: Good**
 - I. CasaXPS processing software offers powerful analysis techniques for both spectral and imaging data.
 - II. The system originally designed for X-rays Photoelectron Spectroscopy (XPS) and Auger data now offers features covering a wide range of analytical techniques including ToF SIMS, dynamic SIMS and many more.
 - III. CasaXPS Software for binding energies, transition state and elemental composition.

- **DigitalMicrograph Software: Knowledge level: Good**
 - I. DigitalMicrograph® is the industry standard software for (scanning) transmission electron microscope (TEM) experimental control and analysis, also known as Gatan Microscopy Suite® (GMS).
 - II. DigitalMicrograph 3.5 is completely revamped and uses a new, much-simplified user interface.
 - III. DigitalMicrograph 3.5 enables novice users to easily perform basic research applications, while it continues to provide the deep access and control highly experienced microscopists are used to and demand

- **HighScore Software: Knowledge level: Good**
 - I. The ideal tool for crystallographic analysis and more (2) Identification of all phases present in sample with Malvern Panalytical's HighScore, this all-in-one software suite with the Plus option continues to support with analysis.
 - II. The focus is on quantification with or without the Rietveld method, profile fitting, or pattern treatment
 - III. HighScore Plus is the solution and helps in performing daily analyses.

- **MATLAB: Knowledge level: Basic**
 - I. Mathematical Equations.
 - II. Graphics
 - III. Built in code/Programming.

- **NanoNavi....SPA400 (DFM) Software: Knowledge level: Good**
 - I. NanoNavi....SPA400(DFM) for 2D, 3D surface analysis, scanning and measurements
 - II. Conductive atomic force microscopy analysis

- **OriginPro (OriginLab Corporation) Software: Knowledge level: Good**
 - I. Data analysis (2) Graphing software of scientists and engineers in commercial industries, academia, and government laboratories worldwide.

- **Programming language (R-language): Knowledge level: Good**

- I. For statistical computing and graphics supported by the R Core Team and the R Foundation for Statistical Computing
 - II. Analyze and visualize data
- **Microsoft Visio Software: Knowledge level: Good**
 - I. Diagramming and vector graphics application
 - II. Organize complex ideas visually
 - III. Get started with hundreds of templates, including flowcharts, timelines, floor plans, and more.
 - IV. Add and connect shapes, text, and pictures to show relationships in your data.
- **Microsoft Excel Software: Knowledge level: Good**
 - I. Organizing, filtering, and visualizing large amounts of data.
 - II. It can be used by virtually any professional to manage long and unwieldy datasets
 - III. Executing basic computations like adding, subtracting, multiplying, and dividing.
 - V. Wide range of Excel formulas that you can use to make sense out of your data.

PROFESSIONAL MEMBERSHIP:

1. International Representative Member of Post Graduate Student Society of Faculty Science (PGSS-FS) at Universiti Teknologi Malaysia (UTM) for Session 2014/2015.
2. Member of Executive Committee Member of 3rd International Science Postgraduate Conference 2015
3. Committee Member in the *Three Minute Thesis (3MT)* Competition 2015 held at Faculty Science UTM.
4. Member of Executive Committee for Entry Test for admission in Graduate Program at Riphah College of Rehabilitation Sciences of Riphah International University Islamabad, Pakistan 2008-2013

SOCIETIES ACTIVITIES:

1. **'Head of Social'** of International Postgraduate Family-housing Student Society (IPFSS-UTM) at Universiti Teknologi Malaysia (UTM) for Session 2014/2015 and 2015-2016.
2. **President** of International Student Society Pakistan (ISS-PAK) at Universiti Teknologi Malaysia (UTM) for Session 2014/2015.
3. **International Representative Member** of ISC-ISS MANAGEMENT CAMP at DEWAN SRI ALAM, KOLEJ TUN FATIMAH, Universiti Teknologi Malaysia (UTM) Organized by International Student Society-Central & International Student Centre UTM from 30th – 31th Jan, 2015
4. **Vice President** of International Student Society Pakistan (ISS-PAK) at Universiti Teknologi Malaysia (UTM) for Session 2013/2014.
5. **International Representative Member** of ISC-ISS MANAGEMENT CAMP at Tanjung Leman Resort, Tanjung Leman, Mering Malaysia Organized by International Student Society-Central & ISC-UTM from 09th –11th Jan, 2014
6. **Director** Co-curriculum & Sport at Riphah International University Islamabad, Pakistan from 2007 to 2013.

REFERENCES

- Prof. Dr. Nafarizal bin Nayan, Director, Institute for Integrated Engineering (I²E) & Principal Researcher at Microelectronics and Nanotechnology Shamsuddin Research Centre (MiNT-SRC), Faculty of Electrical and Electronics Engineering Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat Johor, Malaysia, Office: +607-453 8611 Email: nafa@uthm.edu.my
- Dr. Sharifullah Khan (TI), Professor & Dean Faculty of Electrical, Computer, IT & Design (FECID) Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology (PAF-IAST), Mange, Haripur, Pakistan, www.paf-iast.edu.pk
E-mail: sharifullah.khan@fecid.paf-iast.edu.pk, H/P: +92-3455430160