

Curriculum Vitae

Dr.-Engr. Muhammad Kashif Samee

House # 58, Officers Housing Scheme (PAF Colony, Survey 15) Zarrar Shaheed Road, Lahore Cantt

Phone: +92 321 4224566
E-mail: kashif.ee@pu.edu.pk
PEC no.: ELECT/34743

PERSONAL INFORMATION

Marital Status Married (3 children)
Date of Birth September 06th 1978
Father's Name Muhammad Sameeullah Sheikh
Languages English (fluent), German (basic), Urdu (Native) and Punjabi (Regional)
Nationality Pakistani
Hobbies Computer Games, Cricket, Chess, Snooker

TEACHING & RESEARCH EXPERIENCE

Year	Institution	Department	Designation
May 13 to Date	University of the Punjab, Lahore, Pakistan	Department of Electrical Engg., College of Engineering & Emerging Technologies	Assistant Professor (TTS)
July 12 to May 13	University of the Punjab, Lahore, Pakistan	Department of Electrical Engg., College of Engineering & Emerging Technologies	Assistant Professor (IPFP)

EDUCATION & RESEARCH EXPERIENCE

Year	Institution	Degree/Certificate
April 07 to April 12	TU Dortmund, Germany	Ph.D. (Engineering)
Winter 03-04 to Winter 06-07	TU Dortmund, Germany	Master of Science in Robotics and Automation
Sep. 1998 to Dec. 2002	University of Engineering and Technology Lahore, Pakistan	Bachelor of Science in Electrical Engineering

RESEARCH PROJECTS

PhD Thesis: Robust Watermarking and its Applications to Communication Problems	
Supervisor: Prof. Dr.-Ing. Jürgen Götze email: juergen.goetze@tu-dortmund.de web: http://www-dt.e-technik.uni-dortmund.de/	Environment & Tools: Matlab
In my PhD project, we have developed a robust watermarking algorithm based on CDMA. We have also developed algorithms for image quality assessment and image equalization based on watermarking. Further we have used digital watermarking for radio frequency signal authentication and scrambling.	
Masters Thesis: Adaptive CDMA Based Watermarking Schemes	
Supervisor: Prof. Dr.-Ing. Jürgen Götze	Environment & Tools: Matlab
My thesis is to study and implement different existing comparison based non-oblivious and CDMA spread spectrum based oblivious watermarking schemes. Further to develop a new CDMA based oblivious watermarking scheme.	
Bachelor Project: Implementation of Gateway for Voice over IP	
Supervisor: Prof. Dr. Noor M. Sheikh	Hardware: Modular Router
My group project in BS was to implement IP telephony, a gateway from PSTN network to IP by using modular router.	

RESEARCH INTERESTS

Fields	A brief description
Digital Watermarking	Watermarking of images, audios, videos and radio frequency signals.
Signal and Image Processing	Image quality assessment, compression and equalization.

MEMBER OF PROFESSIONAL ORGANIZATIONS

1. IEEE
Member for 15 years.

TOOLS

Languages	Tools	Operating System
Assembly	Matlab	Windows (all versions)
Verilog	Latex	Linux
Java	MS Office	

PUBLICATIONS

1. BOOKS			
Author(s)	Title	Identifiers	Publisher, Publication Date
1. M. K. Samee:	<i>Robust, Watermarking and its Applications to Communication Problems,</i>	ISBN: 978-3-659-55622-7	LAP Lambert, June 2014 .

2. JOURNALS			
Author(s)	Title	Journal, Identifiers	Publisher, Publication Date
1. M. K. Samee and J. Götze:	<i>Channel Equalization using Watermark as a Training Sequence,</i>	Advances in Radio Science, Vol. 9, Page(s): 179-185, ISSN: 1684-9965,	Copernicus, 2011.
2. M. K. Samee and J. Götze:	<i>CDMA Based Reversible and Blind Watermarking Scheme for Images,</i>	International Journal of Future Computer and Communication, Vol. 2, No. 2, Page(s):138-141, ISSN: 2010-3751,	IJFCC, April 2013.

3. PEER-REVIEWED PROCEEDINGS				
Author(s)	Title	Conference	Identifiers	Publisher, Publication Date
1. M. K. Samee, and J. Götze:	<i>Increased Robustness and Security of Digital Watermarking Using DS-CDMA ,</i>	7 th IEEE International Symposium on Signal Processing and Information Technology, (ISSPIT 2007), Cairo, Egypt,	Page(s): 185 - 189 E-ISBN: 978-1-4244-1835-0 Print ISBN: 978-1-4244-1835-0 INSPEC Accession Number: 9863479	IEEE, Dec. 2007.
2. M. K. Samee, J. Götze, S. J. Ruan and Y. T. Pai:	<i>Digital Watermarking: Spreading Code versus Channel Coding,</i>	3rd International Symposium on Communications, Control and Signal Processing (ISCCSP 2008), St. Julians, Malta,	Page(s): 1409 – 1412 Print ISBN: 978-1-4244-1687-5 INSPEC Accession Number: 10044780	IEEE, March 2008.
3. M. K. Samee and J. Götze:	<i>Blind Equalization using Digital Watermarking,</i>	4th International Symposium on Communications, Control and Signal Processing (ISCCSP 2010), Limassol, Cyprus,	Page(s): 1 - 4 Print ISBN: 978-1-4244-6285-8 INSPEC Accession Number: 11305977	IEEE, March 2010.

3. PEER-REVIEWED PROCEEDINGS

Author(s)	Title	Conference	Identifiers	Publisher, Publication Date
4. M. K. Samee and J. Götze:	<i>Computationally Efficient Blind Equalization Based on Digital Watermarking,</i>	18th European Signal Processing Conference (EUSIPCO-2010), Aalborg, Denmark,	Page(s): 328 - 332 ISSN : 2219-5491 INSPEC Accession Number: 15092180	IEEE, Aug. 2010.
5. M. K. Samee and J. Götze:	<i>Blind Equalization using Reversible Watermarking,</i>	52nd International Symposium ELMAR-2010, Zadar, Croatia,	Page(s): 119 - 122 ISSN : 1334-2630 E-ISBN : 978-1-4244-6373-2 Print ISBN: 978-1-4244-6371-8 INSPEC Accession Number: 11597927	IEEE, Sep. 2010.
6. M. K. Samee and J. Götze:	<i>Reduced Reference Image Quality Assessment for Transmitted Images Using Digital Watermarking,</i>	7th International Symposium on Image and Signal Processing and Analysis (ISPA 2011), Dubrovnik, Croatia,	Page(s): 425 - 430 ISSN : 1845-5921 E-ISBN : 978-953-184-159-7 Print ISBN: 978-1-4577-0841-1 INSPEC Accession Number: 12307439	IEEE, Sep. 2011.
7. S. Altous, M. K. Samee and J. Götze:	<i>Blind Quantization Ratio Estimation for JPEG Images Using Digital Watermarking,</i>	53rd International Symposium ELMAR-2011, Zadar, Croatia,	Page(s): 101 - 104 ISSN : 1334-2630 E-ISBN : 978-953-7044-12-1 Print ISBN: 978-1-61284-949-2 INSPEC Accession Number: 12306255	IEEE, Sep. 2011.
8. S. Altous, M. K. Samee and J. Götze:	<i>Reduced Reference Image Quality Assessment for JPEG Distortion,</i>	53rd International Symposium ELMAR-2011, Zadar, Croatia,	Page(s): 97 - 100 ISSN : 1334-2630 E-ISBN : 978-953-7044-12-1 Print ISBN: 978-1-61284-949-2 INSPEC Accession Number: 12306256	IEEE, Sep. 2011.
9. M. K. Samee and J. Götze:	<i>CDMA Based Blind and Reversible Watermarking Scheme for Images in Wavelet Domain,</i>	19th International Conference on Systems, Signals and Image Processing (IWSSIP 2012), Vienna, Austria,	Page(s): 154 - 159 ISSN : 2157-8672 Print ISBN: 978-1-4577-2191-5 INSPEC Accession Number: 12770558	IEEE, April 2012.
10. M. K. Samee and J. Götze:	<i>Authentication and Scrambling of Radio Frequency Signals Using Reversible Watermarking,</i>	5th IEEE International Symposium on Communications, Control and Signal Processing (ISCCSP 2012), Rome, Italy,	Page(s): 1 - 4 Print ISBN: 978-1-4673-0274-6 INSPEC Accession Number: 12820424	IEEE, May 2012.
11. Asim Abbas, Sarah Aslam and M. K. Samee:	<i>Robust and Reversible Watermarking Scheme in DFT Domain,</i>	14th IEEE International Symposium on Signal Processing and Information Technology (ISSPIT 2014), Noida, India,	Page(s): 261 - 268 Print ISBN: 978-1-4799-1811-9 INSPEC Accession Number: 15554136	IEEE, Dec. 2014.