C.V. for Dr. Abbas Asosheh

Nationality: Iranian
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EDUCATION

2002- 2005   *The school of physical science and engineering ,*
                      Kings' college London, UK
                      Doctor of Philosophy in Electrical & Electronic Eng.
                      Quality of Service Enhancement in Voice over IP Network.

Voice quality is one of the main problems that prevent the Internet telephony from competing with the traditional circuit-switched telephone. Though, the Internet telephony imposes certain new Quality of service (QoS) requirements which are commonly specified by bandwidth on demand, low end-to-end delay, low delay variation, acceptable error or loss rate without retransmission and codec (coder/decoder) quality…..(Attached)

1988-1991   *Sharif university of technology.*
                     Tehran, Iran.
                     Master of Science MSc
                     High Frequency Communication System

Courses Taken: *Advance Antenna, Advance Radio Network & Design, Advance Communication Systems, Digital Transmission Systems, Satellite Communication systems, Principles of Radar. Advance Electromagnetic Advance engineering mathematics, microwave circuit and design.* ***Rank obtained A***.

Dissertation: *2500 words report based on a theoretical analysis of broadband microwave amplifier, design and implement of a microstrip L –band amplifier using carline method.*

1983 – 1987   *Isfahan university of technology*
                       Isfahan, Iran
                       Bachelor of Science B.Sc
                       Communication System

Main courses taken : *digital and analog communication systems, Modern linear control systems, digital control systems, waves and fields , antenna , microwave, Analog and Digital Filters, Electronic Circuits, Principle of Microprocessor, Analog Transmission System Engineering Mathematics, Software Engineering , Theory and Design of Logic circuits.* ***Rank obtained A.***

Final Year project: *Theory and analysis of large signal modeling of transistors for high frequency power amplifiers.*

RESEARCH INTERESTS

- *Next Generation i: Network ii:QoS iii: Services (smart) iv: Software Eng.*
- *Network Traffic Modeling (Application Based)*
- *Wireless Network (WIFI, WIMAX , Ad hoc and IP Based Mobile)*
- *Network Security (Architecture and Application Based)*
- *Service Oriented Architecture (Software engineering, Organization)*
- *Internet Data Centre (Service and Network aspect)*
- *Distributed Enterprises (Service and Network aspect)*
- *Intelligent Transportation System (Service and Network aspect)*

Lecture Courses

- *Wireless Networking*
- *Applied Data Communications and Computer network*
- *Software Engineering (Object oriented and SOA based)*
- *IT Project Management (PMBOK wise)*
- *QoS in VoIP and MoIP (Introducing a Full Workbook Lab)*
- *IT & Advanced Organisation*
- *NGN Architecture (Service oriented & infrastructure)*

Main Project involved

- *National Data Centre in IRAN: High level design, IT and Facility Equipment, Modular and Mobile DC.*
- *Integrated Communication System: High level design, Core and Access Network, Analogue & Tetra, PMR & PAMR, SWMI, Network Management System, Air Interface System, End to End Security.*
- *IP PBX System:*
- *IT Alignment*
- *Ecommerce Lab*

International Data Centre : High level design, Modular and Mobile DC.

*Integrated Communication System : High level design, Analogue & Tetra, PMR &
PAMR,SWMI.*
IP PBX System:
IT Alignment
Ecommerce Lab

EMPLOYMENT HISTORY

2010- 2013   *IRNA(Islamic Republic News Agency)   &*
                               The Institute for Compilation and Publication of Imam
                               Khomeini's Works   &
                               The Company of Behsazan Mellat   &
               Senior Advisor for Information and Communication, information Security

2006-2013   *Tarbiat Modares university.*
                               Tehran, Iran
                               Lecturer (Full-Time)
Lectured to Master of Science, *Data communication and networking, Software Eng. IT Project
Management, IT integration in Smart Organization, Design and evaluation Medical Information Systems,*

1997-2002   *Ministry of Science, Re search &Technology, MSRT, Tehran*
                               General Director of computer Services
The main work *involves managing and developing computer networks of the ministry as well as
governmental universities. This work includes maintaining the network of MSRT upgrading data
communication systems; Training network users; consultation for data communication and data processing
policies.*

Apr1999- July2001   *Ministry of Science, Research & Technology, Tehran*
                               Secretary of higher Informatics council

Tasks of this council *include managing computer affairs, software and computer networks of ministry
as well as related governmental universities. In this direction designing comprehensive Informatics project
of the ministry is the main work.*

1994-1997   *Islamic Republic News Agency*
                               Vice President for Technical Affair

This work *includes designing networks; developing and upgrading data communication system within
Iran and abroad. This work involves data transmission through dial up, leased line and satellite services
for LAN and WAN based system.*

1990-1991   *Sharif university of technology.*
                       Tehran, Iran
                       Lecturer (Part-Time)

Lectured to Bachelor of Science, *electronic and electrical engineering degree candidates. Lecture topics included Principle o f Electronic, Electromagnetic, Analog Filters.*

1988-1991   *Emam Hossein university of technical science*
                       Tehran, Iran
                       Lecturer (part-time)

Lectured to Bachelor of Science, *electronic and electronical engineering degree candidates. Lecture topics included Principle of Electronic, Electromagnetic, Analog Filter, CommunicationTtheory, Antenna and Propagation and Principle of Microwaves System.*

1989- 1994   *Iran Telecommunication and research center, ITRC*
                       Tehran, Iran
                       Project Manager

Researched, designed and implemented *microwave radio satellite system for SCPC and VSAT systems. Designed and implemented low noise and high power amplifiers for L-band and Ku-band frequencies.*

Publications:

1. A. Asosheh, F. Marvasti, and M. Shikh-Bahaei, "Speech-Property-Based FEC algorithm for VoIP," *International Symposium on Telecommunication*, *IST2003*, pp.105-109, August 2003.

2. A. Asosheh and M. R. Shikh-Bahaei, "Adaptive voice over IP network with selective dropping mechanism", *4th International Conference on 3G Mobile Communication Technologies*, London, pp. 404-408, June 2003.

3. A. Asosheh, and M. Shikh-Bahaei, "Voice over adaptive IP network (VoAIP)," *IEEE Australian Telecommunications Network and Applications Conference (ATNAC)*, Sydney, pp. 15-21, December 2004.

4. A. Asosheh, M. Shikh-Bahaei, and J. A. Chambers, "QoS enhancement for VoIP using a new FEC scheme with backup channel," *IEICE Transaction On Communication*, Vol. E87-B, No. 10, pp. 3101-3106, October 2004.

5. A. Asosheh, M. Shikh-Bahaei, and H. Bobarshad, "De-jitter aware adaptive FECBC for VoIP network," *Conference of Computer Society of Iran,* Vol. 2, *pp. 148-156,* February 2005.

6. E. Heydarinezhad, N. Dastarnj, A. Asosheh, "Technology business incubator: Enhancing performance toward sustainability," *International Symposium on Telecommunication*, *IST2005,* Vol. 2, pp.783-787, August 2005.

7. A. Asosheh, and N. Ramezani, "A New and Comprehensive Taxonomy of DDoS Attacks and Defense Mechanism," *International Conference on Information Security and Privacy, Tenerife, Spain, December 14- 16, 2007.*

8. A. Asosheh, and S. Bagherpour, "TPB for recommender system in Iran retail industry," *6ᵗʰ WSEAS International Conference on E-ACTIVITIES, Tenerife, Spain, December 14- 16, 2007.*

9. A. Asosheh, and Nima Yahyapour R.K, "An extended TAM for "Banking Recommender System" adoption, Case of application in Iran," *International Joint Conference on e-Commerce, e-Administration, e-Society, and e-Education (e-CASE 2008), Bangkok, Thailand, March 27-29, 2008.*

10. A. Asosheh, and N. Ramezani, "A Comprehensive Taxonomy of DDoS Attacks and Defense Mechanism Applying in a Smart Classification" *WSEAS Transactions on Ccomputers, Issue 4, vol. 7, 2008.*A. Asosheh, and P. Mirhadi, " Information Technology in Medical Education in Iran" *Accepted in 2008 International Conference on Bioinformatics, Computational Biology, Genomics and Chemo-informatics (BCBGC-08), Orlando, FL, USA July 7-10 2008.*

11. A. Asosheh, and S. Bagherpour, and Nima Yahyapour R.K,"Extended Acceptance Models for Recommender System Adaption, Case of Retail and Banking Service in Iran" *WSEAS Transactions on Business and Economics, Issue 5, vol. 5, 2008.*

12. A. Asosheh, M. Danesh, "Comparison of OS Level and Hypervisor Server Virtualization" *8ᵗʰ International Conference on System Theory and Scientific Computation (ISTASC'08), Rhodes, Greece, 2008.*

13. A. Asosheh, and P. Mirhadi, "QoS Key Parameters for E-Health Application" *Accepted in the 5th International Conference on Information Technology and Applications (ICITA 2008), Queensland, Australia, 23 - 26 June 2008.*

14. A. Asosheh, A. Afshinfar, M. Kharrat, N. Ramezani, "Network Model for the Intelligent Marine Container Tracking" *8ᵗʰ International Conference on Applied Informatics and Communications (AIC'08), Rhodes, Greece, August 2008.*

15. A.Asosheh, and G.A. Angouti "A Resource-Aware Service Discovery Protocol for Mobile Ad Hoc Networks" *17th Iranian Conference on Electrical Engineering, Tehran, Iran, May 12-14, 2009.*

16. Abbas Asosheh, Bijan Dehmoubed, Amir Khani, "A New Quantitative Approach for Information Security Risk Assessment," ICCSIT, pp.222-227, 2009 2nd IEEE International Conference on Computer Science and Information Technology, 2009

17. A.Asosheh, and G.A. Angouti "RASDP: A Resource-Aware Service Discovery Protocol for Mobile Ad Hoc Networks*" International Journal of Computer Science & Information Security, IJCSIS Vol. 5, No. 1, September 2009,* ISSN 1947-5500.

18. Abbas Asosheh, Soroosh Nalchigar˙, and Mona Jamporazmey "Information Technology Project Evaluation: An Integrated Data Envelopment Analysis and

Balanced Scorecard Approach" *Journal of Expert Systems with Applications*, *In Press, Accepted Manuscript, Available online 13 February 2010.*

19. Lili Pourjavaheri, and Abbas Asosheh "A Mathematical Method to Estimate Resources for E-commerce Application" *Fifth International Symposium on Telecommunication*, *IST2010*, 632-637, December 2010.

20. Abbas Asosheh, Hayedeh Khanifar "A Technology Selection method: Hospital Location Detection System" *Fifth International Symposium on Telecommunication*, *IST2010*, 992-999, December 2010.

21. Lili Pourjavaheri, and Abbas Asosheh " A New Mathematical Method to Estimate Resources for E-Commerce Application" *International Journal of Information& Communication Technology Research*, Vol. 2, No. 3, pp. 39-47,November 2010.

22. Abbas. Asosheh, N.Karimi, and H.Khodkari, "Provide a Model for Handover Technology in Wireless Networks*", International Journal of Wireless & Mobile Networks (IJWMN),* pp. 75-90. 2011.

23. P. Vejdan Tamar, A. Asosheh, "*E-business Integrated Test Framework Model*", *International Journal of Information& Communication Technology Research*, Vol. 4, No.2, pp. 47-60,March 2012.

24. Abbas. Asosheh, H. Shahidi-Nejad, H.Khodkari, " *A Model of a Localized Cross-Border E-Commerce*", Scientific Research iBusiness, pp.136-145, June 2012.

25. P. Vejdan Tamar, A. Asosheh, H.Khodkari, "*Integrated Test Framework Model for E-business Systems", International Conference on Affective Computing and Intelligent Interaction* (ICACII 2012).

26. Abbas. Asosheh, Parvaneh Hajinazari "*Eservice Quality Management in B2B e-Commerce Environment" The International Conference on Contemporary Issues in Computer and Information Science, CICIS2012, May 2012.*

27. Abbas. Asosheh, H. Shahidi-Nejad, H.Khodkari, "*Introducing a Localized Cross-Border E-commerce Model (case: Iran B2B E-commerce)*", *Asia-Pacific Power and Energy Engineering Conference* (APPEEC 2012).

28. Abbas. Asosheh, Parvaneh Hajinazari "*Towards Improving Enterprise Performance with Service Level Agreements" Sixth International Symposium on Telecommunication*, *IST2012*, November 2012.

۲۹. عباس آسوشه، کیوان امینی "بکارگیری مدل اجزا کسب وکار برای بنگاه های شهر الکترونیک" دومین کنفرانس شهر الکترونیکی ، تهران ، ایران ، ۳-۲ خرداد ۱۳۸۸

۳۰. عباس آسوشه، امید مجابی ، کیوان امینی "بررسی مخاطره ها درپروژه های راه اندازی مرکز داده اینترنتی" دومین همایش مدیریت مراکز داده،تهران ایران، بهمن ۱۳۸۶.

۳۱. حسین محمدي، غلامعباس انگوتي، علیرضا صدیقیان، دکتر عباس آسوشه ، ناصر یزدانی، "بررسي تطابق معماري هاي كشف سرويس در شبكه هاي اقتضايي متحرك با آموزش الكترونيكي به روش هم افزايي" مجله علمی پژوهشی آموزش بدون مرز، بهمن ۱۳۸۶.

۳۲. عباس آسوشه،حوریه خودکاری "مدیریت سرویس در شبکه NGN با رویکرد معماری سرویس گرا" سومین همایش فناوری اطلاعات و ارتباطات، بکه نسل آینده ،تهران ایران، آذر ۱۳۸۷

۳۳. عباس آسوشه، حمید رضا خاری" ارائه جایگاه بکارگیری RFID در کسب وکارهای شهر الکترونیک" دومین کنفرانس شهر الکترونیکی ، تهران ، ایران ۳-۲ خرداد ۱۳۸۸

۳٤. عباس آسوشه، زهرا خالدی " پیشنهاد یک مدل مفهومی درجهت یکپارچه سازی خدمات پرداخت سیار در شهر الکترونیک "دومین کنفرانس شهر الکترونیكي، تهران ، ایران ۳-۲ خرداد ۱۳۸۸

۳۵. عباس آسوشه "مدیریت پروژه های فناوری اطلاعات(سرویس گرا و دانش محور)"، **تالیف کتاب** *۱۳۸۸*

۳٦. عباس آسوشه، علی دیواندری، امیر کرمی، و حمید رضا یزدانی "شناسائی عوامل حیاتی موفقیت در مدیریت ریسک برون سپاری سیستم های اطلاعاتی در بانک های تجاری ایران" **نشریه علمی – پژوهشی مدیریت فناوری اطلاعات**، دوره ۱ـ شماره۳، صفحه ۳ـ۱۸، پائیزوزمستان ۱۳۸۸.

۳۷. عباس آسوشه، لیلی پورجواهری "تامین بهینه منابع کاربری های تجارت الکترونیک در شبکه های نسل آینده " چهارمین همایش فناوری اطلاعات و ارتباطات، تجارت الکترونیک در فضای شبکه های نسل آینده ،تهران ایران، بهمن ۱۳۸۸.

۳۸. عباس آسوشه، سیمین قسمتی، و مریم چعبی " بررسی و مقایسه ی استاندارد های مدیریت امنیت اطلاعات٬ *همایش تخصصی فناوری اطلاعات و ارتباطات، نظم و امنیت اجتماعی، دانشگاه تربیت مدرس، تهران ایران، آبان ۱۳۸۹* .

۳۹. عباس آسوشه، پونه حاجی نظری " ترکیب مدیریت فرایندهای کاری و معماری سرویسگرا: نقاط قوت و چالش‌ها" *هشتمین کنفرانس بین‌المللی صنایع* IIEC2012 *بهمن ۱۳۹۰* .

٤۰.عباس آسوشه، ″ *هستان نگاری: روش شناسی ها، ابزارها و زبان های توسعه*″، *(تالیف کتاب) انتشارات دانشگاه تربیت مدرس، ۱۳۹۰* .

٤۱. عباس آسوشه، پونه حاجی نظری " تعیین سطح خدمات الکترونیکی با کمک SLA براساس شاخص های کلیدی" *چهارمین کنفرانس فناوری اطلاعات و دانش، IKT2012* ، خرداد ۱۳۹۱ .

REFEREES:

1. Prof. J. A. Chambers, *Director of the Centre of Digital Signal Processing, Cardiff School of Engineering,* UK.

2. Dr. M. S. Bahaei, *Lecturer, Electronic Engineering Dep. King's College London, UK.*

3. Prof. M. Hackak, *Engineering Dep., Tarbiat Modares University,* Iran.

4. Dr. F. Farzaneh, *Associate professor, Sharif University of technology,* Iran.