ALON KONCHITSKY
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Education

University of California San Diego	Post Graduate, CDMA Engineering
Bournemouth University	Ph.D., Electrical Engineering
Bournemouth University	M.A., Management
Tel Aviv University A.C.	B.A., Computer Science
Tel Aviv Institute of Technology	P. Engineer, Electrical Engineering

Professional Experience

From: 2011 – Present
Org: AlonKon LLC DBA IP-Consult (formerly ARS.H. Corp. 2004-2010), California USA
Title: Consultant / Principal
Summary:

- Served as an expert witness who has been retained by Fortune-100 companies as well as private organizations; focused on consulting in all aspects of voice technologies, adaptive speech processing, voice coders, wireless voice communications, portable processing/architecture and operating systems including deposition, trial and cross examination.
- Analyzed patents, drafted claim charts, provided invalidity research, contributed to patent analysis, declaratory judgments, product comparisons and code review, including specifications.
- Wrote expert reports, consulted legal teams, reviewed patents and contracts

From: 2006 – 2011
Org: Noise Free Wireless, Inc., California USA
Title: Architect and Founder
Summary:

- Constructed solutions mainly for cellular and VOIP voice communications such as LTE, WCDMA, GSM - Noise Cancellation, Acoustic Echo Canceller, Voice Activity Detector, Voice Recognition, IVR.

From: 2004 – 2006
Org: IP Valuation, Inc., California USA
Title: Member of Technical Staff
Summary: Technologist and researcher for software and hardware in wireless

- Practiced claim analysis, evidence for infringement, claim charts, invalidity, licensing, licensing valuations and patent analysis particularly for telecommunications
- Conducted portfolio analysis and evaluated patents in standards (3GPP/ETZI) TDMA-WCDMA-LTE OFDMA
- Became the leading authority for prior art and invalidity particularly in wireless telecommunications and standards

From: 2001 – 2004
Org: Nokia Mobile Phones & Radio Frequency Co., California USA
Summary: System Design Architect

- Produced system design specifications for mobile designs
- Received a letter of award from Stanford University Electrical Engineering Director of Communications for being involved in discrete time, high frequency processing research project for low power digital processing architecture

System Design and Integration Engineer

- Engaged in system design architecture and specifications for devices in both aGPS (e911) baseband modem (PHY/MAC/RRC/RLC), RF and software apps
- Integrated all aspects of mobile devices including memory management, battery management, software, WiFi, mechanics, graphics, GPS, voice, music, multi-media, printing, display and Graphic User Interface

From: 1997 – 2001
Organization: Intel –Dspc, Tel Aviv PTK Israel
Title: Technical Marketer
Summary: Technical Marketing

- Responsible for the mobile platform in Asia-Pacific region
- Managed all aspects of software, mechanics, battery, graphics, voice, GPS, interface, music, MP3, WMA, display, GUI

DSP Firmware Engineer

- Produced specifications and C code for low power design platforms
- Integrated all layers of the communication protocol stack software-hardware, including power management, charging, physical layer with upper layers, main processing unit, voice, music, MP3 codec, display and GUI
- Represented the company at the 3GPP GSM-WCDMA-UMTS standards committee

From: 1994 – 1997
Org: MerOla-Elisra LTD, Tel Aviv Bbk Israel
Title: DSP Engineer
Summary:

- Coded real-time mobile kernel software and algorithms in C language and Matlab
- Produced low power, optimized executable OS level and integrated with portable design including GPS tracking tests
- Coded and designed real-time operating system for the core processor and signal processing unit
- Worked with both OS or UNIX kernel level, coded in C and assembly languages supporting RISC, CISC, VLIW and Harvard architectures that powered on SoC level configured in battery backed RAM/FLASH environments

Professional Affiliations, Achievements, Awards or Recommendations

- Senior Member, IEEE
- Member, COMSOC
- Member, SSC
- Member, DSP
- Member, CNSV
- Member, (EX) Wireless SIG
- Member, AMA
- Member, LES
- Technical Co-Chair, IEEE RFic lecturer
- Member, Tracks 3GPP WCDMA
- Member, Tracks 3GPP LTE
- Member, (EX) 3GPP
- Member, (EX) ETSI
- Member, (EX) ITU
- Technology Award from DFI
- Rec. from Dir. of Communications, EE Dept., Stanford University
- Rec. from Associate Professor, Stanford GSB, currently at Kellogg

Selected Patents and Publications or Presentations

- US20120163623 - Wideband Noise Reduction System and a Method Thereof
- US20120114140 – System and Method for a Noise Reduction Controller in a Communication Device
- US20120106756 - System and Method for a Noise Reduction Switch in a Communication Device
- US20120084080 - Machine for Enabling and Disabling Noise Reduction (MEDNR) Based on a Threshold
- US20120004907 - System and Method for Biometric Acoustic Noise
- US20110312318 - System, Device, Database and Method for Increasing the Capacity and Call
- US20110313759 - Method for Changing the Caller Voice During Conversation in Voice
- US8055004 - Fiber Optic Earpiece to Reduce Radiation Transmitted to a Cell Phone User
- US20110274282 - Multi Microphone Sampling Method and Circuit with Single ADC Front End
- US20110225135 - Patent Search Engine with Statistical Snapshots
- US20110201325 - System, Device, Database and Method for Increasing the Capacity and Call
- US20110144984 - Voice Coder with Two Microphone System and Strategic Microphone
- US20110135107 - Dual Adaptive Structure for Speech Enhancement
- US20110091047 - Active Noise Control in Mobile Devices
- US20110066427 - Receiver Intelligibility Enhancement System
- US20110071821 - Receiver Intelligibility Enhancement System
- US20110054889 - Enhancing Receiver Intelligibility in Voice Communication
- US20110029308 - Speech & Music Discriminator for Multi-Media Application
- US20110007906 - Wind Noise Classifier
- US20110004470 - Method for Wind Noise Reduction
- US20110010172 - Noise Reduction System Using a Sensor Based Speech
- US20110022395 - Machine for Emotion Detection (MED) in a Communications Device

- US20100311463 - Environmental Noise Reduction and Cancellation
- US7817808 - Dual Adaptive Structure for Speech Enhancement
- US20100169082 - Enhancing Receiver Intelligibility in Voice Communication Devices
- US7761106 - Voice Coder with Two Microphone System and Strategic Microphone Placement to Deter Obstruction for a Digital Communication Device
- US7742790 - Environmental Noise Reduction and Cancellation for a Communication Device Including for a Wireless and Cellular Telephone
- US20100082339 - Wind Noise Reduction
- US7706821 - Noise Reduction System and Method Suitable for Hands Free Communication Devices
- US20090248411 - Front-End Noise Reduction for Speech Recognition Engine
- US20080312916 - Receiver Intelligibility Enhancement System
- US20080044036 – Noise Reduction System and Method Suitable for Hands-Free Communication Devices
- US7548779 - Microwave Energy Head Therapy
- US7514993 - IQ Demodulator
- US20070263847 - Environmental Noise Reduction and Cancellation for a Cellular Telephone
- US20070237339 - Environmental Noise Reduction and Cancellation for a Voice Over Internet Packets (VOIP) Communication Device
- US20070237338 - Method and Apparatus to Improve Voice Quality of Cellular Calls by Noise Reduction Using a Microphone Receiving Noise and Speech from Two Air Pipes
- US20070213010 - System, Device, Database and Method for Increasing the Capacity and Call Volume of a Communications Network
- US20070192108 - System and Method for Detection of Emotion in Telecommunications
- US20070172075 - Noise Canceling Method and Apparatus Increasing Channel Capacity
- US20070172074 – Capacity Increase in Voice over Packets Communications Systems Using Novel Noise Canceling Methods and Apparatus
- US20070133820 - Channel Capacity Improvement in Wireless Mobile Communications
- WO2007133321 - Method and Apparatus to Improve Voice Quality of Cellular Calls by Noise Reduction Using a Microphone Receiving Noise and Speech from Two Air Pipes
- RIM's Shot to Marvell - A Boon or Bane, Selgman Capital, 2009
- Patents, Innovations and Licensing, Pillsbury Winthrop Shaw Pittman, 2009
- Wireless Standards Evolution, IEEE, Santa Clara SCC 2008
- Qualcomm Questionable Days of Glory in Patent Licensing, GLG 2007
- Licensing fees percentage in cell phone and bill of materials analysis, GLG 2007