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PROFILE

Passionate technology leader and innovator with over 30 years of research, development and management experience in a global industrial context. Envisions, communicate and lead developments of Blockchain, IoT and AI/ML technologies, products and services in support of data analytic, cyber informatics, industrial automation, Smart City, Smart Office, eHealth and Mobility applications. Solid foundations in the distributed computing architectures, re-configurable Software Defined Networks, management and control systems based on big data analytics and ethnographic social science/anthropology for user experience innovation.

Strategically inclined towards embracing platforms as essential product development tools, and endorse modular design for scalability, interconnectivity and reusability objectives. Devise technology platforms in terms of functional services to enable sharing and open innovation. Ability to enable rapid innovation through a combination of experimentation and scientific rigor in order to acquire both in-depth knowledge and lateral innovation. Approach agile development and innovation/implementation as inseparable components of a unique cycle and evolve them iteratively. High entrepreneurial IQ; successfully established couple of hi-tech start ups and led early stage Motorola incubation of WiMAX, Mesh networks and Mobile TV efforts in terms of business, technology and strategic partnership developments and successfully transitioned them into standalone P&L operations.

Extensive experience of building, growing and running international technology operations in UK, France, USA and China. Installing collaboration and open communication as organizational cornerstones. Open to different worldviews and intellectual dialectics and encourages culture of exploration and creativity while maintaining sharp focus on product/business objectives. Established record of accomplishment of managing for operational effectiveness, strategic positioning, financial performance and organizational development. Solid reputation in initiating and running partnerships with various industry bodies and academic institutions. Credited with Radio Ecology vision endorsed by the International Telecommunication Union, founder of Wireless World Research Forum (WWRF), Technical Chair of transatlantic partnership MESA project (EU-USA), served on USA task force on the Next Generation Networks, EPA STAR review committee, etc.

Board of LoadBlock, Inveth, BitTubes GmbH, CTO and Board member of Meditropolis Inc, Founder and VP of La Citadelle Art NFP, Advisory board of MagDrive, Founder and SVP of Innovation at La Citadelle Ing doo, Distinguished Visiting Scholar at mediaX Stanford University, Visiting professor of ICT at UNS

SELECTED ACCOMPLISHMENTS

As Director of Blockchain Research Lab at ASU initiated a membership-based Research Center in partnership with PEI. Objective is to develop new innovations in the use of blockchain to demonstrate to community leaders and Arizona policy makers the value proposition of an industry-led intentional investment strategy for expanded public funding for higher education. Instead of a traditional public research institute, an industry-led center will ensure everything from focus, capital equipment and assembled research teams that serve a needed purpose in industry and create a unique value proposition.

As CEO of VizLore LLC created product portfolio of devices and services based on Soft Sensor concept, which covers both Edge and Cloud platforms. Distributed and vertically integrated platform handles Data in Motion (streams) and Data at Rest (data lakes) and uses other contextual wireless data to provide predictive user behavior mapped on specific location or event. Smart Building and Smart Transportation services deployed in Chicago IL, Madison WI, Atlanta GA and Smart City services are deployed in Valencia, Spain.

As Head of Applied Technology Development group unit at MMI/Google pioneered development of media analysis platform to extract silent video, audio and text features out of the played media in order to supplement the available meta data. Combined it with data analytics tools to design a distributed wireless CDN platform and implement context informed control of adaptive video streaming to wireless devices such as smart phones and tablets.

As member of Chief Architect office at Motorola Inc led development of Edge CONvergence Server (ECONS) and deployed HomeGW and ECONS Network Overlay in a global testbed with nodes in Schaumburg, Paris, Krakow, Boston, San Diego and in Beijing. Use cases as related to video calls, media sharing, video streaming and voice session were presented to FMCA in ETSI and ported ECONS firmware onto a productized Home Media Server. Integration of a 3G femtocell based access with ECONS HGW in cooperation with Ubiquisys Ltd and Motorola Engineering unit in Poland.

Led development of OMA-DM capabilities for NBBS product by creating a virtual team between Motorola CTO, Software Group and newly acquired Netopia Inc business unit. OMA-DM stack was added to the NBBS platform as part of the architectural exercise to

enhance degree of commonality between our wireless infrastructure and home platforms.

Headed Motorola Corporate incubation effort in respect of the Next Generation Networks. Initiated and overseen efforts relative to the development of technology enablers, IP portfolio and standardization strategy relative to WiMAX. Assisted the transfer of people, technologies and knowhow from the Labs into a newly established business group. This experience was extended to transferring MobileTV and Mesh Networks technologies and initial product offerings into appropriate business units.

Spearheaded Motorola Inc effort in ITU to define adequate regulatory environment for digital cellular radio. Established statistical methodology which was endorsed by ITU-R and saved hundreds of \$M to entire industry. Received one in life Motorola Corporate Standards Award for this achievement.

Solved difficult problem of coexistence for devices that make use of linear digital modulation. Patented solution is in the heart of digital Public Safety standard and earned \$M in royalty revenues for Motorola. Received Motorola Business Patent of the Year in 2005 for this contribution.

PROFESSIONAL EXPERIENCE

Arizona State University, School of Computing at Fulton School of Engineering, Tempe, AZ

2016 –

Research Professor

- Designed and implemented *Blockchain Engineering and Applications* graduate level course offered towards ASU's Master of Computer Science degree. Offered on Coursera platform, first delivery Jan 2019.
- Coordinated design and delivery process for an on-line M-Eng degree program on Smart Computing (includes learning units covering domains of IoT, Cyber Security and Big Data). Started Sep 2018.

Director of Blockchain Research Lab

- Founded Blockchain Research Lab at ASU in 2017. Initiated blockchain related research and development activities leading to establishment of the Blockchain Research and Technology Center in collaboration with Partnership for Economic Innovation with a goal to foster Arizona as the place for innovative blockchain technology development and implementation.
- Initiated collaborative research projects in blockchain scalability in partnership with Dash, Microsoft, NuCypher, SRP .. just to mention few of many more institutional sponsors of blockchain research.

Technical Director of CASCADE (Center for Assured and Scalable Data Engineering)-

- Managing Director of Center for Assured and Scalable Data Engineering, which serves as a CoE to other ASU Schools and external industrial and governmental partners. Initiating, overseeing and personally participating in fundamental data engineering research programs that reads on highly dimensional and multimodal data, real-time data, parallel and distributed data and data security and data privacy. In the capacity of the Center Technical Director, I am also actively engaged in translating ML and AI research results into technology transfer opportunities and directing PoC (Proof of Concept) projects with partners from data centers, energy, water, healthcare, security and financial sectors.

VizLore LLC, Scottsdale, AZ

2013 –

Founder, CEO and Director of Engineering and Innovation

- Architected and overseen development of an agile IoT platform, which combines connectivity and data analytics frameworks to connect, monitor and manage heterogeneous devices with objective to optimize business processes. The platform comprises cloud and edge computing segments and utilizes distributed computing to its full potentials. Developed distributed DA by which physical sensors are mapped onto virtual/software sensors for scalability and manageability reasons and each is acting as an independent web service with its proper REST API interface. .
- Architected cloud based management of edge computing topology and connectivity resources with software-defined networking (SDN) controller and OpenFlow enabled switches. Currently building a consortium of four private companies that bring together their Security, wireless SDN, BigData Analytics and Interactive Video solutions, competencies and technology enablers to jointly address new business opportunities as related to Smart Cities, Smart Energy/Grid and Smart Health applications and services.

MMI GOOGLE, Libertyville, IL

2011 – 2013

Fellow/VP, Head of Applied Technology Group

- Connectivity Session Analytics: Work example includes analysis of data collected at various points within or around smartphone to provide additional insight into product quality, customer satisfaction and consequently guide decisions on supply chain and marketing fronts. Created multidisciplinary organization with expertise in: a) machine learning, b) natural language processing, c) predictive and statistical analytics. Many different applications can be made by combining the mentioned techniques: device stability, battery & modem performance vs. device configuration/options and applications installed/downloaded. Can be further filtered on basis of HW and/or SW versions, activation dates, returned vs. kept devices, etc.
- Media Analysis Platform and Geo-fenced media delivery: Formed group focusing on media analytics (both on the device and in

cloud), using image processing techniques, audio processing and text extraction/OCR processing. Between these three processing streams we can classify videos and photos in terms of people, places, times, etc., even though GPS or time information is unavailable or inaccurate. Deployed on backend side these techniques help increase efficiency of video/audio coding or to control adaptive streaming over wireless.

- Wireless Software Defined Networks: Dynamic reconfiguration of routing tables on meshed wireless devices to collectively answer to significant temporal and spatial variations in terms of quantity and quality of required services. Network topology change is done via controlled switching between single and multi-path routing schemas. Management/Control algorithm determines participating nodes and initiates, oversees and terminates virtualization of processing, networking and storage resources across nodes. Triggers for reconfiguration are determined via contextual analysis (machine learning and statistical analysis applied to large data base containing information on devices (screen size, OS, application, modem speed), WiFi nodes (load profiles, connectivity history, interference etc.) and situation (time of day, user activity as observed on YouTube, FB, etc.).
- Open Innovation: Manage University Research budget and relations (MIT, University of Chicago, Northwestern, Stanford, Fraunhofer).

MOTOROLA CORPORATION, Schaumburg, IL

2004 – 2010

Senior Director, Wireless Systems and Networks; Head of Wireless Networking Research Organizations in Paris, Schaumburg, Boston, & Beijing, 2006 – 2010

- Joined Chief Technology Architect office and assisted in recruiting and building the team. Assumed role of coordinating corporate technology and solution architecture in terms of mobility and IP convergence.
- Developed LightIMS strategy which evolved into ECONS HGW and ECONS Network Overlay. Coordinated overall architecture and initiated joint development with Motorola Software Group and Home Business unit. Global testbed deployed in Schaumburg, Paris, Krakow, Boston, San Diego and Beijing. Concept has objective to move service intelligence from core network elements onto the edge network elements in which Motorola business had strong control points. Home Media Gateway which incorporated developed middleware was used as reference at ETSI FMCA summit in 2008. Media GW and RUI CE2014 solutions supporting adaptive streaming to wireless devices were shown at CES 2010.
- Organized and moderated corporate-wide Mobility Summit with more than 150 people in attendance with objective to drive common IP mobility architecture across different engineering units.
- Incorporated early cellular femtocell AP into ECONS HGW and developed control and management overlay in partnership with Ubiquisys and Networks SW Engineering in Poland. OMA-DM management capabilities added to our converged fixed-mobile management platform and organized a related inventing session which produced 10+ patent fillings on the topic of femto and macro cellular convergence.
- Teamed up with Global service Organization to provide link level and system level performance for CMMB system in support of their contractual negotiations with S2M. Defined problem scope and lead team in China to acquire initial proprietary information on the system and use it to complete CMMB simulations, link level (satellite margins) and system level (physical imperfections of PA and SFN path delay characterization).

Director, Leader of Next Gen Networks Strategic Growth Engine for CTO, 2004 – 2006

- Appointed by Motorola Chief Technology Officer to lead Strategic Growth Engine incubation for Motorola Labs. Harvested technologies across 3 lab units (300 people) and worked with Heads/VPs to prioritize resources and projects to drive unified technology development road maps.
- Member of cross-business steering team chaired by CTO that drove marketing and development coordination for WiBB. Ensured Adaptive Antenna and Convolution Coding contributions from Labs into IEEE.802.16 standardization process. Ensured significant investments in building an impressive patent portfolio on WiMAX.
- Assisted Network Business CTO in establishing new business unit (300 people strong) to start WiMAX product development as well as coordinating Labs liaison with silicon designers working on ASIC for WiMAX devices and CPEs. Produced strategic business studies for CTO such as possible impact on Mot strategy from Qualcomm decision to purchase Flarion. Equally was active member of CTO-led team working on corporate wireless strategy reviews with CEO and Corporate Strategy Office.
- Appointed chair of two corporate patent committees, one on Manageability and one on Software Defined HW platforms. Objective was to align innovation with strategic business directions across Motorola Corporation.
- Board member on “start-up like” internal incubation investments into Broadband over Power Lines, Mobile Networking Gateway, IPv6 stack and few others.

MOTOROLA SAS, Paris, France

1997 – 2003

GM and Research Director for Motorola Research Center in Paris

- Built R&D operations for Motorola SAS in close cooperation with business operations to align business & research strategies and execute on innovation and technology transfer plans. Led Technical Staff and functional management team (HR, finance, legal, IT, PR) to implement relevant processes and strengthen customer relations by entertaining frequent customer meetings and product introduction workshops. Center had 80 research staff, 50% PhD.
- Devised, validated and executed on longer-term research strategies with main objective to minimize surprise risks from regulatory changes/evolution and equally forge strong links with Academia and other public research institutions. Established research and long-term collaboration alliances and led Motorola Labs into FP5 and FP6 collaborative research in Europe. In 2002, level of external financing reached \$11M.
- Oversaw budget planning, determined investment priorities and ensured financial viability. Leveraged on EU opportunities for

- subsidized collaborative research and ensured cost effective, adequate research facility and space provision.
- Mentored and developed people and skills creating trustful working environment. Designed optimal organizational structure. Actively engaged in communications internally and externally on major research, managerial or organizational aspects and assumed legal responsibility in respect security and safety compliance. Presided over "Comite d'Entreprise" and Health & Safety committee.
- At EU level, one of WWRF founders, an association of major ICT industrial players to guide research, standardization and regulatory policies relative to 4G broadband wireless systems. Appointed to chair technical committee of trans-Atlantic MESA project driving requirements for public safety broadband communication in post 9/11 world.

MOTOROLA Ltd, Basingstoke, United Kingdom **1991 – 1997**
Manager, European Research Lab

UNIVERSITY of BATH, Bath, United Kingdom **1988 – 1991**
Research Officer, School of Electric and Electronic Engineering

INSTITUTE of APPLIED PHYSICS, Belgrade, Serbia **1982 – 1988**
Senior Associate, Microwave and Radar Lab

EDUCATION

University of Bath, United Kingdom
 Ph.D. in EE and CS, Numerical Electromagnetic Modeling – 1991

University of Belgrade, Yugoslavia
 Magistar in EE, eq. Ph.D., Microwave and Optoelectronics – 1988
 Dipl Inz in EE, eq. MSEE, Electronics Systems – 1983

EXTERNAL ACTIVITIES & RECOGNITIONS

PRESENT

- Distinguished Visiting Scholar, mediaX at Stanford
- Innovation Adviser to CTO of AOSmith, IoT products and services
- Founder, Board Member-**La Citadelle Art NFP** promoting artistic exchange between Europe and USA
- Founder, Principal- **La Citadelle Inzenjering**, Hi-Tech startup in Novi Sad, Serbia
- Board member-**Meditropolis Inc**, CPOE solutions for eHealth, Atlanta
- Board Member-**BitTubes GmbH**, spin-off company of Fraunhofer FOKUS Institute (Berlin) providing non-linear video solution for e_learning and e_commerce applications.
- Professor-**University of Novi Sad** leading small group of PhD students.
- Editorial board-**Journal of Green Engineering** published by Rivers Publishers, Aalborg, Denmark
- Voting reviewer board member-**EPA STAR** programme

PAST

- Innovation Advisor to CIO of **Cambridge Silicon Radio**, San Jose, CA
- Advisory board to **Altira VC** and **Southwest Wind Power Inc** on technology roadmaps and smart grid technology enablers.
- Founder, Board member-**Wireless World Research Forum**, NFP organization started by Alcatel, Ericsson, Nokia, Motorola and Siemens (2001-2005).
- Served on President G.W. Bush **Task Force on the Next Generation Networks** (2004-2006)
- Chair, Technical Committee-**trans-Atlantic project MESA** (EU-USA) developing broadband communication specifications for public safety and first responders' applications. (2002-2005)
- Advisory board to **ArrowSpan Inc** manufacturer of advanced Mesh network infrastructure based on WiFi technology and supporting "zero-handoff" for mobile services (2007-2010)

HONORS & AWARDS

Motorola PMR Business Patent of the Year, 2005
 Motorola Scientific Advisory Board – 2001; Heterogeneous Networks
 Corporate Standards Award – 1999; for setting new radio regulatory evaluation norms in ITU-R
 IEEE Senior Member, 1997
 UK Chartered Engineer, 1996
 Motorola EU patent of the Year, 1995

ADDENDUM I: SCIENTIFIC DISSEMINATION**External Publications**

Abridged list of most significant publications in chronological order:

1. Dispersion Characteristic of Coupled Inset Dielectric Guides Rozzi, T.; Pennock, S. R.; Boscovic, D.; European Microwave Conference, 1990. 20th Volume 2, Oct. 1990 Page(s):1175 - 1180 Digital Object Identifier 10.1109/EUMA.1990.336225
2. The interference reduction and spectrum efficiency benefits of power control in future PMR systems Boscovic, D.M.; van den Heuvel, A.P.; Mobile and Personal Communications, 1993., Seventh IEE European Conference on 13-15 Dec 1993 Page(s):108 - 113
3. Overcoming the implementation issues of linear transmitter technology - Motorola's experience Wray, A.J.; Boscovic, D.M.; Linear RF Amplifiers and Transmitters, IEE Colloquium on 11 Apr 1994 Page(s):1/1
4. New linear PMR technology: a new RF parameter for standardisation Boscovic, D.; Valentine, S.; van den Heuvel, A.; Vehicular Technology Conference, 1994 IEEE 44th 8-10 June 1994 Page(s):479 - 483 vol.1 Digital Object Identifier 10.1109/VETEC.1994.345081
5. Spurious emission limits for mobile transmitters: an approach and results Gibbs, J.A.; Boscovic, D.M.; van den Heuvel, A.P.; Vehicular Technology Conference, 1995 IEEE 45th Volume 2, 25-28 July 1995 Page(s):991 - 995 vol.2 Digital Object Identifier 10.1109/VETEC.1995.505016
6. Statistical approach to the spectrum engineering practices Johnson, C.; Benamar, A.; Boscovic, D.; Vehicular Technology Conference, 1998. VTC 98. 48th IEEE Volume 1, 18-21 May 1998 Page(s):268 - 271 vol.1 Digital Object Identifier 10.1109/VETEC.1998.686577
7. Advanced methodology for spectrum engineering Moorut, P.; Peries, F.; Benamar, A.; Boscovic, D.; Vehicular Technology Conference, 1999. VTC 1999 - Fall. IEEE VTS 50th Volume 3, 19-22 Sept. 1999 Page(s):1860 - 1864 vol.3 Digital Object Identifier 10.1109/VETECF.1999.801719
8. UMTS border planning issues Faure, C.; Tin Lin Lee; Boscovic, D.; Vehicular Technology Conference, 2001. VTC 2001 Spring. IEEE VTS 53rd Volume 4, 6-9 May 2001 Page(s):2761 - 2765 vol.4 Digital Object Identifier 10.1109/VETECS.2001.944103
9. Business perspectives of end-to-end reconfigurability Bourse, D.; El-Khazen, K.; Lee, A.; Grandblaise, D.; Boscovic, D.; Wireless Communications, IEEE [see also IEEE Personal Communications] Volume 13, Issue 3, June 2006 Page(s):46 - 57
10. m@ANGEL: autonomic management platform for seamless cognitive connectivity to the mobile internet Demestichas, P.; Stavroulaki, V.; Boscovic, D.; Lee, A.; Strassner, J.; Communications Magazine, IEEE Volume 44, Issue 6, June 2006 Page(s):118 - 127
11. Business Models of End-to-End Reconfigurable Systems Bourse, D.; El-Khazen, K.; Lee, A.; Boscovic, D.; Vehicular Technology Conference, 2006. VTC 2006-Spring. IEEE 63rd Volume 1, 2006 Page(s):57 - 61 Digital Object Identifier 10.1109/VETECS.2006.1682775
12. Innovation Revolution , Dragan Boscovic Global Semiconductor Forum Journal, March 2008
13. Content Delivery Networks for Video on Demand and IPTV Services Dragan Bošković, Faramak Vakil, Telekomunikacije, Vol 4 December 2009
14. Low Carbon Economy considerations in designing and operating Content Delivery Networks for VoD , D. Boscovic, M. Needham, F. Vakil and J. Yang, Journal of Green Engineering, ISSN 1904-4720, River Publishers 2010
15. Toward the Green Video CDN Ning Xu, Jin Yang, Mike Needham, Dragan Boscovic, Faramak Vakil IEEE/ACM Int'l Conference on Green Computing Hangshou, Zhejiang Province, China, December 18-December 2010
16. Edge Networks & Inverted 4G, Dragan Bošković, Milan Kovačević, Telekomunikacije vol 7, July 2011
17. Greening of video streaming to mobile devices by pervasive wireless CDN – Journal of green engineering 2011
18. Pervasive wireless CDN for greening video streaming to mobile devices , Dragan Boskovic, Vakil Faramak, Milenko Tomic, Stanisa Dautovic – MiPRO conference, Opatija 2011
19. Predictions for opportunistic multi-path routing in wireless mesh networks, Vuk Malbasa, dragan Boscovic, Milenko Tomic – COST IC0902, Barcelona 2011
20. Opportunistic network creation schemes for capacity extension in wireless access and backhaul segments ;Marios Logothetis, Vera Stavroulaki, Andreas Georgakopoulos, Dimitrios Karvounas, Nikos Koutsouris, Kostas Tsagkaris, Panagiotis Demestichas (University of Piraeus, Greece), Milenko Tomic, Dragan Boskovic (La Citadelle Inzenjering, Serbia), 3rd International ICST Conference on Mobile Networks and management, Aveiro 2011.
21. Management of the cloud: Opportunistic resource aggregation in the backhaul – Future Interent cluster meeting, Brussels 2011
22. Cognitive cloud-oriented wireless networks for the future Internet ; Andreas Georgakopoulos (University of Piraeus, Greece); Dimitrios Karvounas (University of Piraeus, Greece); Vera Stavroulaki (University of Piraeus, Greece); Milenko Tošić (La Citadelle Inzenjering, Serbia); Dragan Boscovic (LaCitadelle Inzenjering, Serbia); Jens Gebert (Alcatel-Lucent Bell Labs, Germany); Wolfgang Koenig (Bell Labs, Alcatel-Lucent, Germany); Panagiotis Demestichas (University of Piraeus, Greece), IEEE WCNC, Paris 2012.
23. Impact of different content placement and delivery strategies on content delivery capacity of the wireless mesh networks, M Tošić, M Ćirilović, O Iković, D Kesler, S Dautović, D Boscovic, Ad-hoc, Mobile, and Wireless Networks, 302-315, 2012
24. Scheme for expanding the capacity of wireless access infrastructures through the exploitation of opportunistic networks, A Georgakopoulos, D Karvounas, V Stavroulaki, K Tsagkaris, M Tomic, D. Boscovic, P. Demesticas..., Mobile Networks and Applications 17 (4), 463-478, 2012
25. Lean Approach to Hybrid Innovation Model , Dragan Bošković and Mladen Radišić, LeanTech'13, Belgrade, 2013
26. SDN Based Service Provisioning Management in Smart Buildings, M. Tomic, O. Ikovic, D. Boscovic MIPRO Opatia, Croatia 2016

Speaking Engagements (by invitation)

1. Wireless World Research Forum, Chista , Sweden, September 2001; invited talk on "wireless system beyond 3G"
2. Fraunhofer B3G Symposium, Berlin, Germany, November 2002; invited talk on " future wireless"
3. E2R Summit, Barcelona, Spain, September 2004; invited talk on "System Aspects of Reconfigurable radio and Networks"
4. Wireless World Initiative, Brussels, December 2004; invited talk "Business Impact of Reconfigurable Systems"
5. CrownCom2006, Mykonos, Greece, June 2006; panel facilitator "Cognitive Radio Networks"
6. AlwaysOn, Stanford, CA, July 2006; panelist on the "life after the telephone" panel (facilitator George Gilder)
7. Samsung's 4G forum, Jeju Island, S. Korea, August 2006; invited talk on "efficient spectrum usage for 4G terminals"
8. SECON2007, San Diego, CA, June 2007; panelist on the "applications for wireless sensor networks"
9. International CES 2008, Las Vegas, NV, January 2008; panelist on the "future of wireless"
10. Global Semiconductor Forum 2008, Osaka, Japan, February 2008; panel facilitator on "seamless Interworking between computational and consumer devices"
11. Media X, Stanford , Palo Alto, March 2009 "Dynamic radio Interference Maps in the context of Edge Networking"
12. UCSD Center for Networked Systems, San Diego, January 2010 " Hierarchical CDN for streaming video: Challenges and Opportunities"
13. The 3rd IEEE Workshop on Hot Topics in Mesh Networking, Lucca Italy, June 2011 Contextual Media Delivery for Adaptive Video Streaming in a WiFi Mesh
14. The 12th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks , Lucca Italy, June 2011 Panel: Waves, rules, opportunities: tackling new architectures and services within current wireless regulation
15. mediaX, Stanford, Cognitive Networks in pursuit of Social Collective Intelligence, November 2013
16. Huawei Innovation Summit, Orchestrating Symphony of Data, Santa Clara 2016
17. Dash Conference, Scalability of blockchain networks based on PoW, London 2017

Position Papers and White Papers

Downloadable from Motorola external web site.

1. Business Architectures for Seamless Mobility
2. An Emerging Landscape for Networks and Mobile Devices: Seven Market Changing Trends Driving Seamless Mobility
3. Cognitive Networks: A Paradigm for Wireless Communication in which networks adapt, in a self-aware manner, their topology and operational parameters to fulfill specific tasks
4. Alternate Networks: Disruptive innovations relative to both technology and business value chains that are driving the evolution of modern communication systems and related services
5. Network value migration: Offers deep insight into the relevant technology, businesses and societal trends and how they seem to be pointing towards the need to embrace "Edge Cloud" philosophy in order to complement warehouse computing

Downloadable from La Citadelle Inzenjering external web site.

1. wSDN: wireless Software Defined Networks
2. ContextSENSE Solution

ADDENDUM II: GRANTED PATENTS

Note: Only the first grant within a given distinctive family is referenced here.

1. GB2366398 AGENTS
2. EP1435600 METHOD AND APPARATUS FOR DETERMINING THE LOCATION OF A WIRELESS DEVICE
3. GB2313251 MULTIMEDIA COMMUNICATIONS CONFERENCING SYSTEM AND METHOD OF EXCHANGING PRIVATE COMMUNICATION
4. GB2313250 METHOD OF MANAGING SYSTEM RESOURCES IN A MULTIMEDIA CONFERENCING NETWORK
5. US5748038 METHOD FOR AMPLIFIER TRAINING IN A LINEAR POWER AMPLIFIER
6. US 6031831 METHOD FOR REVERSE CHANNEL SOUNDING IN A COMMUNICATIONS SYSTEM
7. EP1014740 REDUCTION OF CO-CHANNEL INTERFERENCE IN CELLULAR COMMUNICATIONS SYSTEMS
8. US6704572 TIME SHARING OF COMMUNICATIONS RESOURCES IN CELLULAR COMMUNICATIONS SYSTEMS
9. GB2368496 TELECOMMUNICATIONS SYSTEMS
10. GB2323987 POWER AMPLIFIER FOR RADIO TRANSMITTER AND DUAL MODE REMOTE RADIO
11. GB2286305 DUAL MODE REMOTE RADIO
12. GB2295295 METHOD OF REDUCING INTERFERENCE IN A COMMUNICATION SYSTEM
13. EP1313267 METHOD FOR OPTIMISING PATH SELECTION IN PACKET SWITCHED NETWORKS
14. EP1077582 METHOD TO REDUCE INTERFERENCE BETWEEN MOBILES USING DIFFERENT DUPLEX TECHNOLOGY
15. NI200816 MULTICAST IN A COMPOSITE RADIO ENVIRONMENT
16. US6490452 GROUP HANDOVER IN A CELLULAR COMMUNICATIONS NETWORK
17. US5559807 POWER AMPLIFIER LINEARIZATION IN A TDMA MOBILE RADIO SYSTEM
18. US7743121 METHODS AND APARATUS FOR SETTING UP AND MANAGING OPERATIONAL ENVIRONMENT IN P2P WIRELESS NETWORKS
19. US11343491 METHOD AND APARATUS FOR HANDOFF CONTROL IN MOBILE COMMUNICATION SYSTEMS
20. US8107956 PROVIDING OVER-THE-TOP SERVICES ON FEMTO CELLS OF AN IP EDGE CONVERGENCE SERVER SYSTEM
21. US8121600 WIDE AREA MOBILE COMMUNICATIONS OVER FEMTO-CELLS
22. US8935305 SEQUENTIAL SEMANTIC REPRESENTATIONS FOR MEDIA CURATION
23. US9754096 UPDATE MANAGEMENT