



中国移动通信研究院

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July 27th, 2010

Nomination of Dr. Dawei Zhang for 3GPP RAN4 Vice Chairman

Dear Madam/Sir,

As an indication of continued commitment to 3GPP and RAN WG4, China Mobile Communications Corporation (CMCC, as CCSA member) is pleased to nominate Dr. Dawei Zhang as candidate for the 3GPP RAN WG4 Vice-Chairman election taking place in August.

Dr. Zhang is a well known technology expert in RF and wireless community. After receiving his Ph.D. from UCLA in 1992, he has spent 18 years working on RF and wireless related technologies, ranging from RF circuit designs on filters, low-noise amplifiers, VCOs and synthesizers, RF radio transceivers, antennas, to base station development covering PHS, WCDMA, WiMAX, and LTE base stations.

At the beginning of 2008, Dr. Zhang joined China Mobile Communications Corporation and has been attending 3GPP RAN4 meetings from then. He has also made substantial contributions to the RAN4 community ever since.

Currently Dr. Zhang is also the Chairman of NGMN Trial Workgroup, responsible for global operators' LTE trial requirements and evaluations, where he has also demonstrated excellent project management and coordination skills among global operators.

For your information, Dr. Zhang's Curriculum Vitae is attached here for your reference.

CMCC is fully committed to support Dr. Dawei Zhang as a candidate of 3GPP RAN WG4 Vice-Chairman.

Best regards,

Deputy General Manager, China Mobile Research Institute

Curriculum Vitae of Dr. Dawei Zhang

Dawei Zhang, Ph.D.

Director of Wireless, China Mobile U.S.A. Research Center

1525 McCarthy Blvd. Suite 200

Milpitas, California 95035, U.S.A.

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Current Roles:

- Director of Wireless, China Mobile U.S.A. Research Center, since November 2008
- Chairman, NGMN Trial Workgroup, since March 2009
- China Mobile 3GPP RAN4 lead delegate, since March 2008

Education:

- Ph.D., University of California at Los Angeles (UCLA), May 1992
- Post-doctoral fellow, Massachusetts Institute of Technology (MIT), May 1992-May 1994

Past Experiences:

2008 to present

Director of Wireless, China Mobile U.S.A. Research center, Milpitas, California, USA

- Responsible for driving China Mobile's next generation wireless technologies and TD LTE product strategies and requirements, as well as participating and leading core R&D projects at China Mobile Research for the next generation wireless communication technologies and systems.
- Responsible for NGMN global operators' LTE trial requirements, evaluations, trial sharing, and coordination.
- Responsible for achieving cost effective radio frequency technologies and solutions for standardization at 3GPP RAN4 with global LTE operators and vendors.

2002 to 2007

Director of Base Stations, UT Starcom Inc. Alameda, California, USA

- Managed over 120 engineers with direct responsibility over WiMAX and TD-CDMA base station product lines, including base station research and development, marketing and product management, strategic alliance and business development, field and post sales support, and manufacturing and OEM support.
- Managed R&D groups in three locations in U.S.A. and China, and successfully developed PHS and WiMAX base stations, and WCDMA RRUs from scratch to production.
- Co-chaired a Turbo PHS Workgroup under PHS MOU, an international standard organization on PHS technologies, and successfully worked with other companies in the PHS MOU to introduce a Turbo PHS amendment to the PHS standard.

- Managed various engineering development teams including RF, analog and digital hardware, baseband and smart antenna signal processing, low level firmware, and high level software development. Managed and coordinated system integration & testing, field trials, and closely worked with various peer departments including product marketing, product management, and manufacturing.

2000 to 2002

Manager, RF Microwave Development, Proxim/Western Multiplex, Sunnyvale, California, USA

- Responsible for RF transceiver system architecture design and implementation for ISM (2.4 GHz and 5.8 GHz) digital wireless radios, using spread spectrum, QPSK, and 16 to 64 QAM digital modulations, including detail system specification trade-off and component selection, as well as board level implementation.
- Responsible for detailed RF circuit designs, including filters, low-noise-amplifiers, power amplifiers, VCOs and frequency synthesizers. Hands-on experience with RF microwave design tools including Eagleware, Touchstone, IE3D, Ansoft Serenade and Ensemble, and Agilent ADS.
- Responsible for managing all RF related design activities from baseband and up, as well as project management on schedules and resources.

1999 to 2000

Manager, RF Engineering, Polycom Inc., San Jose, California, USA

- Responsible for the development of a 5.3 GHz digital microwave radio for wireless teleconferencing applications. Detailed responsibilities included RF transceiver design and board level implementation, as well as project cost and schedule management.

1994 to 1999

Sr. RF Engineer to Manager, RF Microwave Group, Conductus Inc., Sunnyvale, California, USA

- Responsible for RF microwave circuit designs including thin film microwave printed-circuit filters and microwave integrated-circuit low-noise amplifiers for cellular and PCS base stations.
- Innovative new microwave technology research and development using superconductor thin films.

Patents and Publications:

- 10 U.S. and International patents on RF circuit and wireless system designs.
- Over 60 refereed journal and conference publication papers in RF and wireless communications.