

**Francis E. O'Brien, Jr., Ph.D.**  
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August 7, 2007

Dear RAN4 Colleagues,

Alcatel-Lucent would like to nominate Dr. Man Hung NG as a candidate for election of the Vice-Chairman of 3GPP RAN WG4. Dr. Ng attends through our Alcatel-Lucent membership of ATIS.

Dr. Ng has been attending RAN4 meeting since July 2001, and has actively participated in the standardization work on LTE, HSDPA, EDCH, AGPS and various new UMTS frequency bands. We believe that Dr. Ng will be able to positively contribute to the RAN4 activities by demonstrating his technical abilities, fairness, and leadership qualities. A brief CV for Dr. Ng is attached to this letter.

Alcatel-Lucent will provide all necessary support for Dr. Ng, if elected, to allow him to undertake this role, as part of Alcatel-Lucent's ongoing commitment to 3GPP.

Best Regards,



**Francis E. O'Brien, Jr., Ph.D.**

## CURRICULUM VITAE

### 1. Personal Details

NAME : Ng, Man Hung  
TELEPHONE NO. : +44 1793 776110  
E-MAIL ADDRESS : ngm@lucent.com

### 2. Educational Background

<u>Institute / School</u>	<u>Course / Class</u>	<u>Year</u>
<i>University of Hong Kong</i>	<i>PhD. in Mobile Communications</i>	<i>1997 - 2001</i>
<i>King's College London</i>	<i>MSc. in Communication and Radio Engineering</i>	<i>1995 - 1996</i>
<i>City University of Hong Kong</i>	<i>BSc. (Hons.) in Computer Studies</i>	<i>1987 - 1991</i>

### 3. Employment History

<u>Organisation</u>	<u>Position</u>	<u>Duration</u>
Lucent Technologies / Alcatel-Lucent	Principal Standards Engineer	Mar-03 to now
	Senior RF Engineer	Jun-01 to Feb-03
University of Hong Kong	Part-time Teaching Assistant	Feb-01 to May-01
University of Hong Kong	Part-time Research Assistant and Teaching Assistant	May-97 to Dec-00
Chase Manhattan Bank	Analyst Programmer	Feb-94 to Sep-95
Manulife Financial	Programmer	May-93 to Jan-94
Winner Co. (Gmt. Ltd.)	Programmer	Mar-92 to May-93
Norton Institute	Computer Teacher	Oct-91 to Sep-92
First Pacific Bank	Programmer Trainee	Jul-89 to Sep-90

### 4. Research Publications

- [1] M. H. Ng and S. W. Cheung, "Combining pilot-symbol-aided techniques for fading estimation and diversity reception in multipath fading channels," *Wireless Networks*, vol. 12, no. 2, pp. 233-240, 2006.
- [2] M. H. Ng and S. W. Cheung, "Data-aided fading estimation technique for shadowed mobile satellite fading channels," *Wireless Personal Communications*, vol. 20, pp. 113-125, 2002.

- [3] M. H. Ng and S. W. Cheung, "Combining PSA fading estimation techniques for TCM and diversity reception in Rician fading channels," *International Journal of Satellite Communications*, vol. 20, pp. 63-78, 2002.
- [4] M. H. Ng and S. W. Cheung, "Bandwidth-efficient pilot-symbol-aided technique for multipath fading channels," *IEEE Transactions on Vehicular Technology*, vol. 50, pp. 1132-1139, July 2001.
- [5] M. H. Ng and S. W. Cheung, "Bandwidth-efficient pilot symbol aided technique," *Electronics Letters*, vol. 34, no. 16, pp. 1548-1550, August 1998.
- [6] M. H. Ng and S. W. Cheung, "Bandwidth-efficient pilot symbol aided technique with diversity reception in land mobile satellite fading channels," *Proceedings of the IEEE Global Telecommunications Conference*, vol. 4, pp. 2122-2126, Rio de Janeiro, Brazil, December 1999.
- [7] M. H. Ng and S. W. Cheung, "Bandwidth-efficient pilot symbol aided technique for trellis-coded modulation in land mobile satellite fading channels," *Proceedings of the IEEE Wireless Communications and Networking Conference*, vol. 1, pp. 183-186, New Orleans, USA, September 1999.
- [8] F. Marvasti, M. H. Ng, and M. R. Nakhai, "The application of Walsh transform for forward error correction," *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, vol. 5, pp. 2459-2462, Phoenix, USA, March 1999.

**5. Extracurricular Activities**

<u>Organisation</u>	<u>Activities / Positions Held</u>
University of Hong Kong	Chairperson and treasurer of the Postgraduate Student Association. Postgraduate student representative in University committees including the Council, the Senate, the Board of Graduate Studies, the Committee on Student Affairs and the Faculty Board of Engineering.