

**ASR and Biomedical Applications**

Session Chairs: Qiwu Tan, Gang Kang

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M. Jin, Z. Ying, S. He, *Zhejiang University, P.R.China*
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C. W. Penney, R. J. Luebbers, *Remcom Inc., USA*
- P58.3 Study of SAR Reduction with Split Ring Resonators  
J.-N. Hwang, F.-C. Chen, *Institute of Communication Engineering, National Chiao Tung University, Taiwan*
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Z. Li, Y. Rahmat-Samii, *University of California, Los Angeles, USA*
- P58.5 Phased Array for Microwave Hyperthermia: a Preliminary Study in a Computational Muscle Phantom  
M. Popovic, L. Duong, *McGill University, Canada*
- P58.6 Investigation on Specific Absorption Rate (SAR) Induced in Child-like and True Child Head Using Two Source Models  
A. Hadjem<sup>1</sup>, D. Lautru<sup>2</sup>, M. F. Wong<sup>1</sup>, V. Fouad-Hanna<sup>2</sup>, J. Wiart<sup>1</sup>  
<sup>1</sup>France Telecom. R&D Division, France; <sup>2</sup>Pierre & Marie Curie University, FRANCE
- P58.7 Electro-Thermal Computational Suit for Investigation of RF Power Absorption and Associated Temperature Change in Human Body  
R. S. Zaridze, N. Gritsenko, G. Kajaia, E. Nikolaeva, A. Razmadze, L. Shoshiashvili, A. Bijamov, *Tbilisi State University, Georgia*; G. Bit-Babik, A. Faraone, *Motorola, USA*
- P58.8 Exterior Antennas for Wireless Medical Links: EBG Backed Dipole and Loop Antennas  
J. Kim, Y. Rahmat-Samii, *University of California, Los Angeles, USA*
- P58.9 The Helical Antenna for the Capsule Endoscope  
S. I. Kwak, K. Chang, Y. J. Yoon, *Yonsei University, Korea*
- P58.10 Miniaturized Microstrip-Fed "Dark Eyes" Antenna for Pulsed Microwave Probing: Return Loss, Efficiency and Fidelity  
H. Kanj, M. Popovic, *McGill University, Canada*