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<b>Session Title</b>	<b>[PA-A7] Bio-Electromagnetic Computation</b>
<b>Date and Time</b>	<b>June 19 (Monday) / 14:10-16:00</b>
<b>Place</b>	<b>Rm. 104 (1F)</b>
<b>Session Chair</b>	<b>Nathan Ida (The Univ. of Akron, USA)</b>

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**PA-A7-1** **Digest ID: 112**

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**Research on the Inverse Problem of Electrical Impedance Tomography Based on Improved Regularization**

Li, Xing (1); Yang, Fan (1); Yu, Shengjie (2); Yu, Xiao (1); Gao, Bing (1); Wang, Xiaoyu (3)  
1: Chongqing University, China, People's Republic of; 2: The Second Affiliated Hospital, Chongqing Medical University, China, China, People's Republic of; 3: Electric Power Science Research Institute of Zhejiang Electric Power Corporation, Hangzhou, China,

**PA-A7-2** **Digest ID: 210**

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**EIT forward computation based on element-free Galerkin method for hematoma detection**

Li, Ying; Wang, Hongbin; Yu, Miao; Zhang, Shuai; Ge, Manling; Xu, Guizhi  
Hebei University of Technology, China, People's Republic of

**PA-A7-3** **Withdrawn**

**PA-A7-4** **Digest ID: 591**

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**Effect of transcranial ultrasonic-magnetic stimulation on neural spiking behaviours in Izhikevich model**

Zhang, Shuai; Cui, Kun; Xu, Guizhi; Yan, Weili  
Hebei University of Technology, China, People's Republic of

**PA-A7-5** **Digest ID: 250**

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**Sensitivity of Low-frequency Local Field Potential Power to Tissue Anisotropy and Dipole Source on a Realistic Head Model by FEM Forward Simulation**

Ge, Manling; Ma, Xinxin; Chen, Shenghua; Feng, Zhiguo  
The Key Laboratory of Electromagnetic Field and Electrical Apparatus Reliability, Department of Electrical Engineering, Hebei University of Technology, Tianjin 300130, People's Republic of China

**PA-A7-6** **Digest ID: 259**

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**Non-Uniform Magnetic Field Exposure Assessment Using Coupling Factors Based on 3-D Anatomical Human Model**

Jung, Kyu-Jin; Shim, Jae-Hoon; Choi, Min-Soo; Byun, Jin-Kyu  
Department of Electrical Engineering, Soongsil University, Korea, Republic of (South Korea)

**Numerical Simulations and Experimental Study of Magneto-Acousto-Electrical Tomography with Plane Transducer**

Li, Yuanyuan (1,2); Liu, Guoqiang (1,2); Xia, Hui (2); Xia, Zhengwu (2)

1: University of Chinese Academy of Sciences, China, People's Republic of; 2: Institute of Electrical Engineering, Chinese Academy of Sciences, China, People's Republic of