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經歷

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工業技術研究院 生醫工程中心 研究員
私立中原大學 醫學工程學系 教授

現職

醫工系教授

專長

生物醫學工程 Biomedical Engineering

研究領域

生物微型感測器研發Biosensors
生物醫學資訊系統研發Biomedical Information Systems
植入式生醫微系統研發Implantable Biomedical Systems

可能之應用

神經修補術Neural Prosthesis
生物分子檢測Biological Molecular Detection
壓力感測 Pressure Sensor
藥物釋放Drug Delivery
電子病例 Electronic Records
遠距醫療 Tele-medicine
遠距居家照護 Tele-home Health Care

個人研究成果 (Selected paper 5 篇)

1. Chen HZ and **Lou SL**, 2004. A Study of RF Power Attenuation in Bio-tissues. *Journal of Medical and Biological Engineering*, 24(3): 141-146.
2. Zhang J, Stahl JN, Huang HK, Zhou XQ, **Lou SL**, SongKS. 2000. Real-Time Tele-consultation with High-Resolution and Large-Volume Medical Images for Collaborative Healthcare. *IEEE Transactions on Information Technology in Biomedicine*, 4(2): 178-185.
3. **Lou SL**, Lin KP, Lin HD, Hoogstrate RD. 2000. Automatic Breast Region Extraction for Telemammography and PACS Applications. *J. Computerized Medical Imaging and Graphics*, 24(4): 205-220.
4. Huang HK, **Lou SL**. 1999. Telemammography: a technical overview. *Categorical Course in Diagnostic Radiology Physics: Physical Aspects of Breast Imaging - Current and Future Considerations*, 273-281.
5. **Lou SL**, Hoogstrate RD, Huang HK. 1997. An Automated PACS Image Acquisition and Recovery Scheme for Image Integrity Based on the DICOM Standard. *J. Computerized Medical Imaging and Graphics*, 21(4): 209-218.