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- Doctorat en science in Electronics, option: control  
University frères Mentouri Constantine 1, Algeria
- Magistère in Electronics, option: control of systems and signal processing University  
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**List of Journal Publications**

1. M. Meribout and **S. Teniou**, A Pipelined Parallel Hardware Architecture for 2-D Real-Time Electrical Capacitance Tomography Imaging Using Interframe Correlation, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, Vol. 25, Issue 4, pp. 1320-1328, Apr. 2017.
2. **S. Teniou** and M. Meribout, A Multimodal Image Reconstruction Method Using Ultrasonic Waves and Electrical Resistance Tomography, IEEE Transactions On Image Processing, Vol. 24, No 11, pp. 3512-3521, Nov. 2015.
3. E. A. Hosani, M. Meribout, A. Al-Durra, K. Al-Wahedi, and **S. Teniou**, A New Optical-Based Device for Online Black Powder Detection in Gas Pipelines, IEEE Transactions on Instrumentation and Measurement, Vol. 63, No 9, pp. 2238-2252, Sep. 2014.
4. **S. Teniou**, M. Meribout, K. Al-Wahedi, A. Al-Durra, and E. Al-Hosani, A Near-Infrared-Based Magnetic Induction Tomography Solution to Improve the Image Reconstruction Accuracy in Opaque Environments, IEEE Transactions on Magnetics, Vol. 49, No 4, pp. 1361-1366, Apr. 2013.
5. **S. Teniou**, M. Meribout, and K. Belarbi, Real-time Reconstruction of Moving Objects in an Electrical Capacitance Tomography System using Inter-Frame Correlation, IEEE Sensors Journal, Vol. 12, No 7, pp. 2517-2525, Jul. 2012.
6. **S. Teniou**, and M. Meribout, A New Hierarchical Reconstruction Algorithm for Electrical Capacitance Tomography using a Relaxation Region-based Approach, Measurement, Vol. 45, Issue 4, pp. 683–690, May. 2012.
7. **S. Teniou**, M. Meribout, T. Al-Hanaei, F. Al-Zaabi, R. Banihashim, and S. Al-Ghafri, A New Constrained Hierarchical Reconstruction Method for Electrical Capacitance Tomography, Flow Measurement and Instrumentation, Vol. 23, Issue 1, pp. 66–75, Mar. 2012.
8. **S. Teniou**, and M. Meribout, Multiphase Flow Meters Principles and Applications: A Review, Canadian journal on scientific and industrial research, Vol. 2, No. 8, pp. 290-293, Nov. 2011.

**List of Conference Papers**

1. **S. Teniou**, K. Belarbi, A stabilizing model fuzzy predictive control scheme for nonlinear deterministic systems, In Proc. 2016 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2016), Vancouver, Canada, July 24-29, 2016.
2. **S. Teniou**, M. Meribout, A Multimodal Image Reconstruction Method Using Ultrasonic Waves and Electrical Impedance Tomography, In Proc. The Second International Conference on

Electrical Engineering and Control Applications (ICEECA 2014), Constantine, Algeria, November 18-20, 2014.

3. **S. Teniou**, M. Meribout, Temporal Image Reconstruction in Electrical Tomography Using a Motion Estimation Based Approach, In Proc. 2012 IEEE International Instrumentation and Measurement Technology Conference, Graz, Austria, May 13-16, 2012.
4. **S. Teniou**, M. Meribout, An Ultrasonic-based Method for Improving the Image Accuracy in Electrical Tomography Imaging, In 2012 Measurement Science Conference (MSC 2012), Anaheim, CA, USA, March 19-23, 2012.
5. M. Meribout, and **S. Teniou**, A New Electrical Capacitance Tomography Method Using Online Pressure and Temperature Data Measurements, In UKSim 5th European Modelling Symposium On Mathematical Modelling and Computer Simulation (EMS2011), Madrid, Spain, November 16-18, 2011.
6. **S. Teniou**, and K. Belarbi, Analysis of Solution Procedures for Fuzzy Predictive Control, In Proc. 10th International Conference on Sciences and Techniques of Automatic control & Computer Engineering (STA'09), Hammamet, Tunisia, December 20-22, 2009.