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المؤهلات العلمية

السنة ، المؤهل ، المؤسسة ، عنوان الرسالة

2007 Magdeburg University Germany ,الدكتوراة

(GROUND PENETRATING RADAR SIGNAL PROCESSING FOR LANDMINE DETECTION)

الاهتمامات البحثية

اهتمام

, - Probability/Statistics , - Time Frequency Signal Analysis , - Spectrum Estimation and Signal Modeling , Wireless Communications , - Digital Signal Processing

منشورات مختارة

- Fawzy Abujarad and Abbas Omar (2006) . Comparison of Independent-Component-Analysis (ICA) Algorithms for GPR Detection of Non-Metallic Land Mines. , In Proc. SPIE Image and Signal Processing for Remote Sensing XI, volume 6365, Stockholm, Sweden, ,Stockholm, Sweden, 11 September 14- September ,. ()
- Fawzy Abujarad, A.S. Omar (2006) . Factor and Principle Component Analysis for Automatic Landmine Detection Based on Ground Penetrating Radar, German Microwave Conference (GeMIC) 2006, Karlsruhe, Germany, Karlsruhe, Germany, ,March 2006,. ()
- Fawzy Abujarad, A.S. Omar (2006) . GPR Data Processing Using the Component-Separation Methods PCA and ICA, IEEE International Workshop on Imaging Systems and Techniques, Minori, Italy, April 2006., Minori, Italy, ,April 2006.,. ()
- Fawzy Abujarad and Abbas Omar (2006) . GPR Detection of Landmine by FastICA, 11th International Conference on Ground Penetrating Radar, June 19-22, 2006, Columbus Ohio, USA., Ohio, USA, June 19-22, 2006 ,. ()
- Fawzy Abujarad, Galal Nadimy and Abbas Omar (2005) . Combining Wavelet Packets with Higher-Order-Statistic for GPR Detection of Non-Metallic Anti-Personnel Land Mines, In Proc. SPIE Image and Signal Processing for Remote Sensing XI, volume 5982, Brugge, Belgium, sept 2005, Brugge, Belgium, sept 2005, 380-390. ()
- Fawzy Abujarad, Galal Nadimy and Abbas Omar (2005) . Clutter Reduction and Detection of Landmine Objects in Ground Penetrating Radar Data Using Singular Value Decomposition , Proc. 3rd international workshop on advanced ground penetrating radar, Delft, Netherlands , 02 May - 04 May 2005 , 37-41. ()
- Fawzy Abujarad, Galal Nadimy and Abbas Omar (2005) . Wavelet Packets for GPR Detection of Non-Metallic Anti-Personnel Land Mines Based on Higher-Order-Statistic, Proc. 3rd international workshop on advanced ground penetrating radar, Delft, Netherlands , 02 May 04 - May , 21-24. ()
- Fawzy Abujarad, J?stigmeier, A. S. Omar (2004) . Clutter Removal for Landmine using Different Signal Processing Techniques., Proc. tenth international conference on ground penetrating radar, pp. 697-700, June, 2004., Delft, Netherlands , 21-24 June, 697-700. ()

التدريس

المستوى ، اسم المادة

- Signals and Systems *
- Digital Signal Processing *
- Electronics *
- Electronic Communication *
- Analog Communication *
- Neural Networks *
- Data mining *
- Electrical Circuits *
- Linear Algebra *
- Numerical analysis *
- Digital Communication *

