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( 1 )

# Human identification using time normalized QT signal and the QRS complex of the ECG

Moahamed Medhat Tawfik Abdelraheem Tarik Kamal Hany Selim

## Abstract:

NULL

## Keywords:

NULL

## Published In:

CSNDSP , NULL , NULL



( 2 )

# On the orchestration of robust virtual LTE-U networks from hybrid half/full-duplex Wi-Fi APs

MJ Abdel-Rahman, M AbdelRaheem, A MacKenzie, K Cardoso, M Krunz

## Abstract:

NULL

## Keywords:

NULL

## Published In:

WCNC2016 , NULL , NULL



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( 3 )

# Stochastic resource allocation in opportunistic LTE-A networks with heterogeneous self-interference cancellation capabilities

Mohammad J Abdel-Rahman, Mohamed AbdelRaheem, Allen B MacKenzie

## Abstract:

NULL

## Keywords:

NULL

## Published In:

Dyspan2015 , NULL , NULL



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( 4 )

# Spectrum Occupancy Analysis of Cooperative Relaying Technique for Cognitive Radio Networks

SFM Mohamed Abdelraheem, Mustafa El-Nainay

## Abstract:

NULL

## Keywords:

NULL

## Published In:

IEEE ICNC , NULL , NULL



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( 5 )

# Human identification using the main loop of the vector cardiogram

Mohamed Abdelraheem Tarik Kamal Hany selim

## Abstract:

NULL

## Keywords:

NULL

## Published In:

American Journal of signal processing , NULL , NULL



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( 6 )

# Analytical and Simulation Study of the Effect of Secondary User Cooperation on Cognitive Radio Networks

M Abdelraheem, M El-Nainay, S F Midkiff

## Abstract:

NULL

## Keywords:

NULL

## Published In:

IEEE WCNC , NULL , NULL



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( 7 )

# Digital modulation classification through time and frequency domain features using neural networks

MMT Abdelreheem, MO Helmi

## Abstract:

NULL

## Keywords:

NULL

## Published In:

IEEE Bithel , NULL , NULL



( 8 )

# Spectrum-Efficient Resource Allocation Framework for Cooperative Opportunistic Wireless Networks

M Abdelraheem, MJ Abdel-Rahman, M El-Nainay, SF Midkiff

## Abstract:

NULL

## Keywords:

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## Published In:

IEEE TCNT , NULL , NULL





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( 9 )

## Human identification using main loop of the VCG contour

Mohamed Abdelraheem

### Abstract:

NULL

### Keywords:

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### Published In:

IEEE , NULL , NULL



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( 10 )

# An analytical study of the Primary User activity pattern effect on the performance of cooperative opportunistic networks

Mohamed Abdelraheem Mustafa ElNainay Scott Midkiff

## Abstract:

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## Keywords:

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## Published In:

IEEE ICNC , NULL , NULL



( 11 )

## -Micro Phasor Measurement Unit Phasor estimation by off nominal frequency

George Daoud Hany Selim Mohamed M. AbdelRaheem

### Abstract:

Due to the high sampling rate of the power signals by Micro Phasor Measurement Units (MPMUs) tight restrictions on computing time of different algorithms are imposed. Especially when dealing with Phasor estimation by off-nominal frequency. Sampling the power signal with a frequency which is a multiple of the instantaneous power frequency is used to fix this problem. To perform this, Gabor Transform is applied to get the update of the instantaneous frequency each cycle. In this paper we propose many time complexity enhancements to allow the Phasor estimation during the limited intersample interval, and we validate our techniques using computer simulation and real implementation on microcontroller. Using the Arm Cortex STM32F407 microcontroller with the floating point core at the maximum clock speed of 168MHz, we managed to perform all needed algorithms in about 43% of the intersample interval, and leaving the rest for data storage, display of relevant information and communication with the Data Center.

### Keywords:

Smart Networks; Micro Phasor measurement units; off-Nominal frequency; Phasor estimation

### Published In:

2018 IEEE International Conference on Smart Energy Grid Engineering (SEGE) , NULL , 53-57