

# **2016 2nd International Conference on Advanced Technologies for Signal and Image Processing (ATSIP 2016)**

**Monastir, Tunisia  
21-23 March 2016**



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## ATSIP'2016 TECHNICAL PROGRAM

<b>Monday March 21, 2016</b>	
<b>8:00 – 10:00</b>	
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## ATSIP'2016 TECHNICAL PROGRAM

Tuesday March 22, 2016

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**Tuesday March 22, 2016: 10:30 – 12:30**

**ROOM 2**

**Regular Session (RST-A2)**

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**Chairmen's: Mongi LAHIANI (ENIS, TUN) & Sihem CHAABOUNI (ENET'Com, TUN)**

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**ROOM 3**

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<b>Tuesday March 22, 2016: 14:30 – 16:00</b> <b><u>ROOM 0</u></b>	
<b>Special Session (SST-B0)</b> <b>BIG DATA PROCESSING AND INTERNET OF THINGS</b> <b>Chairmen's : Abdelkerim BOURAMOUL (U. Constantine, ALG) &amp; Imed Riadh FARAH (ISAMM, TUN) &amp; Yahia SLIMANI (ISAMM, TUN)</b>	
<b>BDI-39</b>	Towards Large Scale Image Similarity Discovery Model 1 <i>Hassanin Al-Barhamtoshy</i>
<b>BDI-59</b>	Patterns-Based Semantic Mashup N/A <i>Bencherif Khayra and Bensaber Amar Djamel</i>
<b>BDI-60</b>	Linked Data Enrichment: State-Of-Art N/A <i>Bencherif Khayra and Malki Mimoun</i>
<b>BDI-163</b>	Anomaly Detection Through Outlier and Neighborhood Data in Wireless sensor Networks 26 <i>Aymen Abid, Abdennaceur Kachouri and Adel Mahfoudhi</i>
<b>BDI-95</b>	Robust and Blind Watermarking Approach Based on Modified Delaunay Triangulation 16 <i>Dhekra Essaidani, Hassene Seddik and Ezzedine Ben Braiek</i>

<b>Tuesday March 22, 2016: 14:30 – 16:00</b>	
<b><u>ROOM 1</u></b>	
<b>Regular Session (RST-B1)</b>	
<b>CRYPTOGRAPHY, WATERMARKING &amp; STEGANOGRAPHY (CWS-S1)</b>	
<b>Chairmen's: Habib HAMAM (U. Moncton, CAN) &amp; Johann VINCENT (Telecom-Bretagne, FRA)</b>	
<b>CWS-230</b>	Privacy Protection and Security in eHealth Cloud Platform for Medical Image Sharing 93 <i>Johann Vincent and Gouenou Coatrieux</i>
<b>CWS-40</b>	Generating an Hyper-Chaotic System from 3D Chaotic Behavior 46 <i>Hajer Thabet and Hassene Seddik</i>
<b>CWS-74</b>	New SMS Encryption Algorithm Based on Hyperchaotic System 57 <i>Ayadi Wael and Seddik Hassenne</i>
<b>CWS-77</b>	New Hybrid Encryption Technique Permuting Text and Image Based on Hyperchaotic System 63 <i>Najm Eddine Maalaoui and Hassen Seddik</i>
<b>CWS-102</b>	Randomized Poly-Encryption Image Exploiting Hyper-Chaotic Behavior 69 <i>Hamdi Bouslehi, Hassen Seddik and Ezzdine Ben Braeik</i>
<b>Tuesday March 22, 2016: 14:30 – 16:00</b>	
<b><u>ROOM 2</u></b>	
<b>Regular Session (RST-B2)</b>	
<b>REMOTE SENSING AND ASSIMILATION (RSA-S3)</b>	
<b>Chairmen's: Mehrez ZRIBI (CESBIO, FRA) &amp; Abdelaziz KALLEL (ATMS, TUN)</b>	
<b>RSA-142</b>	High Spatial Quality MS Image Pansharpening based on Multiresolution Iterative Scheme N/A <i>Tijani Delleji, Abdelaziz Kallel and Ahmed Ben Hamida</i>
<b>RSA-213</b>	Target Recognition using IFFT and MUSIC ISAR images 596 <i>Abdelmalek Toumi and Ali Khenchaf</i>
<b>RSA-204</b>	Assessment of Inversion Models for Sea Surface Wind Speed Retrieval from Sentinel-1 Data 577 <i>Tran Vu La, Ali Khenchaf, Carole Nahum and Carole Nahum</i>
<b>RSA-205</b>	Study of Sensitivity In Wind Direction Retrieval From Sentinel-1 Images 581 <i>Tran Vu La, Ali Khenchaf, Fabrice Comblet and Carole Nahum</i>
<b>RSA-206</b>	Estimating Of Water Quality Parameters Using Active And Passive Microwave Remote Sensing 586 <i>Muntadher A. Shareef, Ali Khenchaf and Abdelmalek Toumi</i>
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<b><u>ROOM 3</u></b>	
<b>Regular Session (RST-B3)</b>	
<b>MEDICAL IMAGES AND APPLICATIONS (MIA-S4)</b>	
<b>Chairmen's : Ezzeddine BEN BRAYEK (ENSIT, TUN) &amp; Linda MARRAKCHI (CENIR Paris, FRA)</b>	
<b>MIA-174</b>	Investigating Nucleosome Location in Genes by Studying Periodicities 3 and 10 307 <i>Rabeb Touati, Imen Massaoudi, Afef Elloumi, Zied Lachiri and Nouredine Ellouze</i>
<b>MIA-176</b>	Measurement of water transfer changes during hemodialysis cycle 313 <i>M. Ben Yahia &amp; A. Chiboub, Adnen Rajhi and Amina Kahloul</i>
<b>MIA-178</b>	Image Segmentation based thresholding technique : application to DNA sequence scalograms 319 <i>Mael Salah, Afef Elloumi Oueslati and Zied Lachiri</i>
<b>MIA-180</b>	Vascular Tree Segmentation in MRA Images Using Hessian-Based Multiscale Filtering and Local Entropy Thresholding 325 <i>Hibet-Allah Ouazza, Hejer Jlassi and Kamel Hamrouni</i>

<b>MIA-184</b>	Tandem Repeat Search Tools Performance for the Arabidopsis Thaliana Genome 330 <i>Soumaya Zribi, Afef Elloumi Oueslati and Zied Lachiri</i>
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Regular Session (RST-B3) <b>COMPUTER IMAGES AND VIDEO PROCESSING (IVP-S4)</b> Chairmen's : <b>Mounir SAMET (ENIS, TUN) &amp; Jihene MALEK (FSM, TUN)</b>	
<b>IVP-114</b>	Real-Time Image and Video Processing: Method and Architecture 194 <i>Lilia Kechiche, Lamjed Touil and Bouraoui Ouni</i>
<b>IVP-119</b>	Non-Linear Filtering for Landmine Detection on Ground Penetration Radar Data 200 <i>Khaoula Tbarki, Salma Ben Said and Nouredine Ellouze</i>
<b>IVP-120</b>	Automated Detection and Tracking of Phlebotominaes 206 <i>Ahmed Nejmedine Machraoui, Mohamed Fethi Diouani and Mounir Sayadi</i>
<b>IVP-124</b>	Salient Spectral Features for Points Detection 212 <i>Habiba Nabi and Ali Douik</i>
<b>IVP-127</b>	A Comparative Study Applied to Dynamic Textures Segmentation 217 <i>Hanene Sahli, Lotfi Tlig, Ahmed Zaafour and Mounir Sayadi</i>
<b>Tuesday March 22, 2016: 16:00 – 16:30</b> <b>COFFEE BREAK</b>	

<b>Tuesday March 22, 2016: 16:30 – 18:00</b> <b><u>ROOM 0</u></b>	
Special Session (SST-C0) <b>BIG DATA PROCESSING AND INTERNET OF THINGS</b> Chairmen's: <b>Abdelkerim BOURAMOUL (U. Constantine, ALG) &amp; Imed Riadh FARAH (ISAMM, TUN) &amp; Yahia SLIMANI (ISAMM, TUN)</b>	
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<b>BDI-75</b>	Composition of Web Services Using Multi Agent Based Planning with High Availability of Web Services 10 <i>Mehdi Sabrina and Zarour Nacer Eddine</i>
<b>BDI-167</b>	Pattern Based Linked Data Knowledge Discovery N/A <i>Berrahal Soumia, Malki Mimoun and Benchrif Khayra</i>
<b>BDI-189</b>	An overview of Large Scale Remote Sensing Image Classification Based on Hadoop MapReduce 31 <i>Imen Chebbi, Wadii Boulila and Imed Riadh Farah</i>
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Regular Session (RST-C1) <b>CRYPTOGRAPHY, WATERMARKING AND STEGANOGRAPHY (CWS-S2)</b> Chairmen's: <b>Johann VINCENT (Telecom-Bretagne, FRA) &amp; Aissa BELMEGUENAI (August 20 Univ., ALG)</b>	

<b>CWS-211</b>	Securing Digital Information using the Rakaposhi System N/A <i>Aissa Belmequenai, Khaled Mansouri and Salim Ouchtati</i>
<b>CWS-216</b>	Towards a new Numbering-Combinations-Based coder for Image Compression and Transmission over a noisy channel 83 <i>Amal Kilani, Achraf Makhloufi, Ahmed Ben Hamida and Habib Hamem</i>
<b>CWS-104</b>	An efficient DFA scheme for 32-bit AES Algorithm N/A <i>Noura Ben Hadj-youssef and Mouna Karmani</i>
<b>CWS-7</b>	Trends in Elliptic Curve Cryptography implementations <i>Nejmeddine Alimi, Younes Lahbib, Mohsen Machhout and Rached Tourki</i>
<b>CWS-58</b>	Statistical Robust Watermarking for 3D Mesh Models Based on Salient Points 52 <i>Nassima Medimegh, Samir Belaid and Naoufel Werghi</i>
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<b><u>ROOM 2</u></b>	
<b>Regular Session (RST-C2)</b>	
<b>REMOTE SENSING AND ASSIMILATION (RSA-S4)</b>	
<b>Chairmen's: J. Philippe GASTELLU-ETCHERGORY (CESBIO, FRA) &amp; Mohamed FARAH (ISAMM, TUN)</b>	
<b>RSA-160</b>	States and Parameters Estimation for Biomass Substrate Hypothetical System 567 <i>Imen Baklouti, Nouha Jaoua, Majdi Mansouri, Mohamed Nounou and Ahmed Ben Hamida</i>
<b>RSA-215</b>	Design and Architecture of Pico-Satellites network for Earth coverage 601 <i>Nissen Lazreg and Kamel Besbes</i>
<b>RSA-227</b>	Fuzzy graph of visual words for semantic annotation of remote sensing images 606 <i>Mohamed Farah, Khitem Amiri and Imed Riadh Farah</i>
<b>RSA-233</b>	A New Graph Clustering Approach Based Betweenness Centrality N/A <i>Manel Ben Salem, Mohamed Salim Bouhlel and Karim Saheb Etabaa</i>
<b>RSA-234</b>	Super-Resolution Algorithm Based on Sub-pixels Spatial correlation for Hyperspectral Image Classification 613 <i>Bouthayna Mselmi, Zouhaier Ben Rabah and Imed Riadh Farah</i>
<b>RSA-246</b>	Inventory and Characterization of the Meskat System as Runoff Harvesting Practice in Tunisian Sahel 616 <i>Marwa Fourati, Rajouene Majdoub, Slaheddine Khelifi and Dalenda Boujnah</i>
<b>Tuesday March 22, 2016: 16:30 – 18:00</b>	
<b><u>ROOM 3</u></b>	
<b>Regular Session (RST-C3)</b>	
<b>SIGNAL PROCESSING for COMMUNICATIONS AND NETWORKS (SCN-S3)</b>	
<b>Chairmen's: Lotfi KAMOUN (ENIS, TUN) &amp; Sihem CHAABOUNI (ENET'Com, TUN)</b>	
<b>SCN-155</b>	Analysis and Performance Evaluation of OFDM-IDMA System Using Chaotic Interleavers Design N/A <i>Brahim Boukholda</i>
<b>SCN-177</b>	Numerical Method for Selecting a Protector of the Human Head Against the Electromagnetic Field of Radio Frequency Sources N/A <i>Lazhar Bouali, Mohammed Djennah, Radhouane Tahmi and Mahrez Zahraoui</i>
<b>SCN-183</b>	Secret Zeckendorf Number Solution for IP Traceback in Wireless Mesh Networks 751 <i>Mouna Gassara and Faouzi Zarai</i>
<b>SCN-188</b>	Joint Delay and Direction of Arrivals Estimation Using MUSIC Algorithm N/A <i>Nadhem Nemri, Hani Wadie Badri, Ridha Ghayoula, Ali Gharsallah and Hichem Trabelsi</i>



<b>SCN-201</b>	An Efficient Full-Wave Technique Analysis for Arbitrarily-Shaped Microwave Planar Structures and Based on the Method of Moments 756 <i>Faouzi Romdhani and Abdelaziz Samet</i>
<b>SCN-208</b>	New Iterative-Scheduling Algorithm for OFDMA Systems 762 <i>Messaoud Eljamai, Mahmoud Ammar and Ammar Bouallègue</i>
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<b><u>ROOM 4</u></b>	
<b>Regular Session (RST-C4)</b>	
<b>SPEECH AND AUDIO PROCESSING (SAP-S2)</b>	
<b>Chairmen's: Gérard CHOLLET (Télécom Paris, FRA) &amp; Kais OUNI (ENI Carthage, TUN)</b>	
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<b>SAP-5</b>	An Improved Speech Enhancement Algorithm Based on Wavelets for Mobile Communication 622 <i>Wahbi Nabi, Nouredine Aloui and Adnane Cherif</i>
<b>SAP-15</b>	Design of Emotional Educational System Mobile Games for Autistic Children 631 <i>Nazih Heni and Habib Hamam</i>
<b>SAP-100</b>	The Comb Filter Integration in CASA System for the Speech Separation 651 <i>Jihen Zeremadini, Mohamed Anouar Ben Messaoud and Aicha Bouzid</i>
<b>SAP-103</b>	A new method for pitch smoothing 657 <i>Wided Jlassi, Aicha Bouzid and Nouredine Ellouze</i>
<b>SAP-109</b>	Pathological Voices Detection using Support Vector Machine 662 <i>Imen Hammami, Lotfi Salhi and Labidi Salam</i>

<b>Tuesday March 22, 2016</b>	
<b>PANEL DISCUSSION</b>	
<b>18:00-19:00</b>	
<b>ROOM 1</b>	<b>Panel 1 : RFID technologies: Applications, Trends and Limitations</b> <b>Speaker: Habib HAMAM (U. Moncton, CANADA)</b> <b>Chairmen's: Hamadi GHARIANI (ENIS, TUNISIE) &amp; Mongi LAHIANI (ENIS, TUNISIE)</b>
<b>ROOM 2</b>	<b>Panel 2: Assistance Robots or Connected Objects?</b> <b>Speaker: Hugues SANSEN ( SHANKAA, Paris, FRANCE)</b> <b>Chairmen's: Gérard CHOLLET (Télécom-Paris, FRANCE) &amp; Basel SOLAIMAN (Telecom Bretagne, FRANCE)</b>
<b>ROOM 3</b>	<b>Panel 3 : Functional Medical Imaging</b> <b>Speaker : Habib ZAIDI (Geneva Univ. Hospital, Switzerland)</b> <b>Chairmen's: Ahmed BEN HAMIDA (ATMS, TUNISIE) &amp; Nawres KHALIFA (ISTMT, TUNISIE)</b>

## ATSIP'2016 TECHNICAL PROGRAM

Wednesday March 23, 2016

<b>ATSIP'2016 TECHNICAL PROGRAM</b>	
Wednesday March 23, 2016	
<p>9:00 – 10:00</p> <p><u>ROOM 0</u></p>	<p style="text-align: center;"><b>PLENARY SESSION</b></p> <p style="text-align: center;">Chairmen's: Ali KHANCHEF (Télécom Bretagne, FRANCE) &amp; Huges SANSEN (SHANKAA, FRANCE) &amp; Najwa ESSOUKRI BEN AMARA (ENISO Tn)</p> <p style="color: red;"><u>4<sup>th</sup> Plenary Session</u></p> <p style="color: green;"><i>“ The Use of Neural Networks in Automatic Speech Processing”</i></p> <p style="color: blue;">by Jean-Paul HATON (Institut Universitaire de France, LORIA – Université de Lorraine, Nancy, France)</p>
<p>10:00 – 10:30</p> <p><b>COFFEE BREAK</b></p>	

<p>Wednesday March 23, 2016 : 10:30 – 12:00</p> <p><u>ROOM 0</u></p>	
<p>Special Session (SSW-A0)</p> <p><b>FUNCTIONAL MEDICAL IMAGING PROCESSING</b></p> <p>Chairmen's: Ahmed BEN HAMIDA (ATMS, TUN) &amp; Habib ZAIDI (Geneva UH, Switzerland)</p>	
FMI-122	<p>Segmentation of Low-Grade Gliomas in MRI : Phase-Based Method 97</p> <p><i>Rahima Zaouche, Ahror Belaid, Soraya Aloui, Basel Solaiman, Ahcene Bounceur, Souheil Tliba, Douraied Ben Salem and Seddik Sid-Ahmed</i></p>
FMI-161	<p>Influence of Preprocessing Steps on Functional Connectivity in Resting State fMRI 103</p> <p><i>Fatma Gargouri, Sebastien Delfine, Stéphane Lehericy and Ahmed Ben Hamida</i></p>
FMI-212	<p>Multi-scale and Non Local Mean based filter for Positron Emission Tomography Imaging Denoising 108</p> <p><i>Hajer Jemaa, Rostom Mabrouk, Frédéric Morain-Nicolier and Nawres Khelifa</i></p>
FMI-218	<p>A classification approach to prostate cancer localization in 3T Multi-Parametric MRI 113</p> <p><i>Rania Trigui, Johel Miteran, Lamia Sallemi, Paul Walker and Ahmed Ben Hamida</i></p>
FMI-245	<p>A comparative study of motion estimation algorithms in cardiac ultrasound sequences 119</p> <p><i>Saida Khachira, Fathi Kallel and Ahmed Ben Hamida</i></p>
<p>Wednesday March 23, 2016 : 10:30 – 12:00</p> <p><u>ROOM 1</u></p>	
<p>Special Session (SSW-A1)</p> <p><b>OPTICAL REMOTE SENSING SIGNAL MODELING</b></p> <p>Chairmen's : Abdelaziz KALLEL (ATMS, TUN) &amp; Jean Philippe GASTELLU-ETCHERGORY (CESBIO, FRA)</p>	



<b>ORS-219</b>	Inversion of vegetation canopy reflectance based on variationnel multiscale approach 494 <i>Sihem Châabouni and Abdelaziz Kallel</i>
<b>ORS-240</b>	3-D Vector Radiative Transfer for Vegetation Cover Polarized BRDF Modeling 499 <i>Abdelaziz Kallel and Jean Philippe Gastellu-Etchegorry</i>
<b>ORS-242</b>	A Remote Sensing Fusion Approach Using MTF-Adjusted Filter Banks 505 <i>Hind Hallabia, Abdelaziz Kallel and Ahmed Ben Hamida</i>
<b>ORS-243</b>	Variational multiscale approach to LAI profile inversion based on LiDAR full waveform measurements 511 <i>Sahar Ben Hmida, Abdelaziz Kallel, Jean-Philippe Gastellu-Etchegorry and Ahmed Ben Hamida</i>
<b>ORS-247</b>	Modeling specular reflectance and polarization in DART model for simulating remote sensing images of natural and urban landscapes 517 <i>Jean Philippe Gastellu-Etchegorry, N Lauret, T Yin, J Aval, L Landier, A Kallel, A Al Bitar, J Guilleux, C Jan and E Chavanon</i>

**Wednesday March 23, 2016 : 10:30 – 12:00**

**ROOM 2**

**Regular Session (RSW-A2)**

**COMPUTER IMAGES AND VIDEO PROCESSING (IVP-S5)**

**Chairmen's : Marie-Christine HATON (Loria, FRA) & Salem RAHMANI (ISTMT, TUN)**

<b>IVP-132</b>	Texture Description Using Statistical Feature Extraction 223 <i>Marouane Ben Haj Ayeche and Hamid Amiri</i>
<b>IVP-133</b>	Software Implementation Of an image Processing Chain on System on Programmable Chip (SOC) with OpenCV library integration N/A <i>Marwa Fradi, Wajih Elhadj Youssef and Mohsen Machhout</i>
<b>IVP-154</b>	Structuring Visual Information for Person Detection in Video:Application to VIDTIMIT database 233 <i>Makrem Beldi and Zied Lachiri</i>
<b>IVP-152</b>	Word Script and Nature Identification using Black Run-length based Features N/A <i>Asma Saidani and Afef Kacem</i>
<b>IVP-171</b>	ADF Based Anisotropic Diffusion Model Applied to Radiography Image Enhancement 238 <i>Mohamed Ben Gharsallah and Ezzedine Ben Braiek</i>

**Wednesday March 23, 2016 : 10:30 – 12:00**

**ROOM 3**

**Regular Session (RSW-A3)**

**SPEECH AND AUDIO PROCESSING (SAP-S3)**

**Chairmen's: Jean Paul HATON (Loria, FRA) & Zaineb BEN MESSAOUD (ATMS, TUN)**

<b>SAP-125</b>	Single Channel Speech Separation Based on Sinusoidal Modeling 672 <i>Wiem Belhedi, Mohamed Anouar Ben Messaoud and Aïcha Bouzid</i>
<b>SAP-141</b>	Cohort Selection for Text-dependent Speaker Verification Score Normalization 689 <i>Houssemeddine Khemiri and Dijana Petrovska-Delacrétaz</i>
<b>SAP-128</b>	Combining ensemble methods of Bagging, Subbagging and Random Subspace for phonème recognition 677 <i>Abir Bousnina, Chiraz Jlassi and Najet Arous</i>
<b>SAP-129</b>	Dynamic Range Variability of Sound Energy Decay for Reverberation Time Estimation in Railway Noisy Environments 683 <i>Yosra Mzah and Meriem Jaidane</i>
<b>SAP-121</b>	Speech Recognition System Based on Short-term Cepstral Parameters, Feature Reduction Method and Artificial Neural Networks 667

<i>Nawel Souissi and Adnane Cherif</i>	
<b>Wednesday March 23, 2016 : 10:30 – 12:00</b> <b><u>ROOM 4</u></b>	
<b>Regular Session (RSW-A4)</b> <b>MODELING IN SIGNAL AND IMAGES (MSI-S3)</b> <b>Chairmen's : Lilia AMRAOUI (ENI Carthage, TUN) &amp; Hekmet SAMET (ENIS, TUN)</b>	
<b>MSI-26</b>	Generalized Hebbian Algorithm for Fault Detection of CSTR Model 421 <i>Raoudha Baklouti, Majdi Mansouri, Zaineb Ben Messaoud, Mohamed Nounou and Ahmed Ben Hamida</i>
<b>MSI-27</b>	Integrate Reasoning using OWL Ontology and SWRL Rules to Online Character Recognition Approach 426 <i>Houda Nakkach, Sofiene Haboubi, and Hamid Amiri</i>
<b>MSI-28</b>	A Segmentation-Free Approach to Strokes Extraction from Online Isolated Arabic Handwritten Character 431 <i>Houda Nakkach, Sofiene Haboubi, and Hamid Amiri</i>
<b>MSI-115</b>	Visual Intelligent Remote Healthcare Monitoring System using Multi-agent technology 465 <i>Afef Ben Jemaa, Hela Ltifi and Mounir Ben Ayed</i>
<b>MSI-196</b>	A combined Approach Based on Fuzzy Classification and Contextual Region Growing To Image Segmentation 489 <i>Mahaman Sani Chaibou, Karim Kalti, Basel Solaiman and Mohamed Ali Mahjoub</i>
<b>Wednesday March 23, 2016 : 12:00 – 13:00</b> <b>LUNCH</b>	
<b>Wednesday March 23, 2016 : 13:00 – 18:00</b> <b>SEA/BOAT EXCURSION</b>	

## ATSIP'2016 TECHNICAL PROGRAM

Thursday March 24, 2016

<b>ATSIP'2016 TECHNICAL PROGRAM</b>	
<b>Thursday March 24, 2016</b>	
<p>9:00 – 10:00</p> <p style="text-align: center;"><u>ROOM 0</u></p>	<p style="text-align: center;"><b>PLENARY SESSION</b></p> <p style="text-align: center;">Chairman: Gérard CHOLLET (Télécom-Paris, FRANCE) &amp; Imed Riadh FARAH (ISAMM, TUNISIE) &amp; Marie-Christine HATON (Loria, FRANCE)</p> <p style="text-align: center;"><b>5<sup>th</sup> Plenary Session:</b></p> <p style="text-align: center;"><i>“ Privacy Preserving Speech Processing in the Cloud ”</i></p> <p style="text-align: center;">by Gerard CHOLLET (CNRS, ENST-Ecole Nationale Supérieure des Télécommunications, FRANCE)</p>
<p style="text-align: center;"><b>Thursday March 24, 2016: 10:00 – 10:30</b></p> <p style="text-align: center;"><b>COFFEE BREAK</b></p>	

<p style="text-align: center;"><b>Thursday March 24, 2016: 10:30 – 12:00</b></p> <p style="text-align: center;"><u>ROOM 1</u></p>	
<p style="text-align: center;">Regular Session (RST-A0)</p> <p style="text-align: center;"><b>MEDICAL IMAGES AND APPLICATIONS (MIA-S5)</b></p> <p style="text-align: center;">Chairmen's: Khalil CHTOUROU (CHU Sfax, TUN) &amp; Hatem BESBES (FST, TUN)</p>	
MIA-223	<p>Studies of the Segmentation Methods of Cardiac Scintigraphic Images 364</p> <p><i>Yosra Ben Fadhel, Sana Ktata, Tarek Kraiem and Salem Rahmani</i></p>
MIA-225	<p>Automated Brain-Tissue Segmentation by parmatric kernel Graph-cuts 370</p> <p><i>Zaineb B. Messaoud, Siwar Chniti and Ines Njeh</i></p>
MIA-226	<p>A Spectroscopic Approach Based on Non-negative Matrix Factorization Method for Multispectral Fluorescence Images Unmixing 375</p> <p><i>Sana Lafi, Ali Khalfallah, Med Bouzid, André Bouchot and Med Salim Bouhleb</i></p>
MIA-118	<p>Detection of Lumen-Intima Interface Motion of Peripheral artery for Measurement of Elasticity Profile N/A</p> <p><i>Olfa Laouini, Fatma Essafi, Luc Bressollette and Ezzedine Ben Braiek</i></p>
<p style="text-align: center;"><b>Thursday March 24, 2016: 10:30 – 12:00</b></p> <p style="text-align: center;"><u>ROOM 2</u></p>	
<p style="text-align: center;">Regular Session (RSW-A1)</p> <p style="text-align: center;"><b>CRYPTOGRAPHY, WATERMARKING AND STEGANOGRAPHY (CWS-S3)</b></p> <p style="text-align: center;">Chairmen's: Achraf MAKHLOUFI (ATMS, TUN) &amp; Mohamed FARAH (ISAMM, TUN)</p>	
CWS-214	<p>Software Application for AES, RSA and Elliptic Curves Algorithms Simulation Based 77</p> <p><i>Asma Chaouch, Belgacem Bouallegue and Bouraoui Ouni</i></p>
CWS-229	<p>Quantitative Evaluation of Chaotic CBC Mode of Operation 88</p> <p><i>Abdessalem Abidi, Qianxue Wang, Belgacem Bouallegue, Mohsen Machhout and Christophe Guyeux</i></p>
CWS-38	<p>Image encryption with the AES algorithm in wireless sensor network 41</p> <p><i>Amina Msolli, Abdelhamid Helali and Hassen Maaref</i></p>

<b>Thursday March 24, 2016: 10:30 – 12:00</b>	
<b><u>ROOM 3</u></b>	
<b>Regular Session (RSW-A2)</b>	
<b>COMPUTER IMAGES AND VIDEO PROCESSING (IVP-S6)</b>	
<b>Chairmen's : Ali DOUIK (ENISO, TUN) &amp; Imed Riadh FARAH (ISAMM, TUN)</b>	
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