

ATSIP2015 Spring School

Advanced Processing Techniques and Information Fusion: Methods and Applications

21-24 March, 2015 - Monastir, TUNISIA

<http://www.atms-researchgroup.com/fr/atsip-2015>



The first edition of the Spring School on Advanced Technologies in Signal & Image processing ATSIP'15 will be held from March 21 to 24, 2015 in Monastir (Tunisia): Spring School ATSIP2015 brings many world-class scientists in their fields to provide an update on the state of the art of advanced methods and algorithms developed in information processing and fusion. ATSIP2015 will include a series of special sessions given by experienced scientists working on advanced topics. Covered areas are : Medical imaging, Audio-visual processing, Security, Biometrics and Remote sensing. Demonstration workshops complement the oral sessions to provide participants (students) a friendly exchange forum. ATSIP2015 will provide a great opportunity for graduate students to network with like-minded scientists from around the world and to investigate new approaches to address the problems of any kind arising in their research.

ATSIP2015 Program

Common Courses (1 day)

- ✓ Advanced methods in signal and information processing
- ✓ Intelligent systems in information processing and applications

Specific Topic Courses (3 days/topic)

- ✓ Advanced techniques in medical imaging
- ✓ Audio-visual information processing and security
- ✓ Remote Sensing and applications

⇒ With application workshops

Oral Sessions : Selection of best research projects

Participants enrolled in graduate doctoral programs are invited to send two pages containing the description of the research project following the template of the Spring School ATSIP2015 in the website <https://easychair.org/conferences/?conf=atsip2015> before 15/02/15. A scientific committee will select the best research projects to be presented during oral sessions.

Round Tables

For each specific topic, a round table will be moderated with an expert .

ATSIP2015 speakers

Ahmed BEN HAMIDA

ATMS, ENIS, TUNISIA

Ali DOUIK

ENIM, TUNISIA

Ali MOHAMMAD-DJAFARI

LSS, Supélec, FRANCE

Amel BEN AZZA

SUPCOM, TUNISIA

Basel SOLAIMAN

Télécom Bretagne, FRANCE

Catherine OTTLÉ

LSCE, CNRS, FRANCE

Chokri BEN AMAR

ENIS, TUNISIA

Didier DUBOIS

CNRS, IRIT, FRANCE

Dijana PETROVSKA-DELACRETAZ

Telecom Sud Paris, FRANCE

Ezzedine BEN BRAIEK

ESSTT, TUNISIA

Faouzi GHORBEL

ENSI, TUNISIA

Frédéric BARET

EMMAH, INRA, Avignon, FRANCE

Gérard CHOLLET

Telecom Paris, FRANCE

Gouenou COATRIEUX

Telecom Bretagne, FRANCE

Habib BENALI

F. Médecine P. et M. Curie, FRANCE

Habib HAMAM

U. of Moncton, CANADA

Imed Riadh FARAH

ISAMM, TUNISIA

Jean Paul HATON

Université Lorraine, FRANCE

J. Philippe GASTELLU-ETCHERGORY

CESBIO, FRANCE

Kais OUNI

ESTI, TUNISIA

Kamel BESBES

Fac Sc Monastir, TUNISIA

Kamel HAMROUNI

ENIT, TUNISIA

Mauro DALLA MURA

Grenoble INP, FRANCE

Mehrez ZRIBI

CESBIO, FRANCE

Mounir SAYADI

ENSIT, TUNISIA

Najoua ESSOUKRI BEN AMARA

ENISO, TUNISIA

Nawres KHALIFA

ENIT, TUNISIA

Noureddine ELLOUZE

ENIT, TUNISIA

Rachid DERICHE

Inria Sophia Antipolis, FRANCE

Riadh ABDEL FATTEH

SUPCOM, TUNISIA

Sofia BEN JBARA

SUPCOM, TUNISIA

Sylvie LE HEGARAT,

ACCIS, Univ. Paris-Sud, FRANCE

Zied LACHIRI

INSAT, TUNISIA

Honoray Chairs

Gérard CHOLLET,
Telecom Paris, FRANCE
Jean Paul HATON,
U. Lorraine, FRANCE
Noureddine ELLOUZE,
ENIT, TUNISIA

General Chairs

Ahmed BEN HAMIDA,
ATMS, ENIS, TUNISIA
Basel SOLAIMAN,
Telecom Bretagne, FRANCE
Ali MOHAMMAD-DJAFARI,
LSS, Supélec, FRANCE

Program Chairs

Mohamed BEN MESSAOUD,
ATMS, ENIS, TUNISIA
Mohamed BEN SLIMA,
ATMS, ENET'Com, TUNISIA
Abdelaziz KALLEL,
ATMS, ENET'Com, TUNISIA
Mondher FRIKHA,
ATMS, ENET'Com, TUNISIA

Registration & Finance

Fathi KALLEL ,
ATMS, ENET'Com, TUNISIA
Mohamed GHORBEL,
ATMS, ENET'Com, TUNISIA

Steering Committee

Imed Riadh FARAH,
ISAMM, TUNISIA
Zied LACHIRI,
INSAT, TUNISIA
Mounir SAYADI,
ESSTT, TUNISIA
Amel BEN AZZA
SUPCOM, TUNISIA
Ezzedine BEN BRAIEK,
ESSTT, TUNISIA
Khalil CHTOUROU,
CHU SFAX, TUNISIA
Monji KHERALLAH,
ATMS, FSS, TUNISIA

Organizing Committee

Ashraf MAKHLOUFI,
ATMS, ENET'Com, TUNISIA
Rima GUIDARA,
ATMS, ENET'Com, TUNISIA
Leila BELTAIFA,
ATMS, ENISO, TUNISIA
Lamia SELLAMI,
ATMS, ISBS, TUNISIA
Imene KHANFIR
ISBS, TUNISIA
Ines NJEH,
ATMS, ENIS, TUNISIA
Fatma GARGOURI,
ATMS, ENIS, TUNISIA
Jihene BOUGHARIOU,
ATMS, ENIS, TUNISIA
Sahar BEN HAMIDA,
ATMS, ENIS, TUNISIA
Oifa BEN SASSI
ATMS, ENIS, TUNISIA
Ines KETATA,
ATMS, ISIMED, TUNISIA

ATSIP2015 Spring School

(preliminary program)

Common session

**Advanced methods in signal and fusion processing:
Applications for Pattern Recognition, Imaging and Multimedia Signal**

Advanced methods: signal and information processing
Basel SOLAIMAN ; Ali M. DJAFARI ; Didier DUBOIS ; Habib BENALI
Télécom Bretagne, Fr ; Supélec, Fr ; CNRS, IRIT, Fr ; F.Méd. P. et M. Curie, Fr

intelligent Systems: information processing and Applications
J. P. HATTON ; N. ELLOUZE ; G. CHOLLET ; A. BEN HAMIDA
Univ. Lorraine, Fr ; ENIT,Tn ; Télécom Paris, Fr ; ENIS ; Tn

Themes sessions

Advanced Technologies in Medical Imaging	Audio-visual information processing and security	Remote Sensing and Applications
Medical imaging : Orientations Basel SOLAIMAN & Ahmed BEN HAMIDA Télécom Bretagne, Fr ; ENIS, Tn	Statistics approaches: speech recognition Jean Paul HATON ; ; Univ. Lorraine, Fr	Pansharping: New Matlab Toolbox Mauro DALLA MURA ; Grenoble INP, Fr
Instrumentation in medical imaging Khalil CHTOUROU ; CHU SFAX, Tn	Acoustic echo cancellation Sofia BEN JBARA ; SUPCOM, Tn	Segmentation of hyperspectral images by Markov approach Ali MOHAMMAD-DJAFARI ; Supélec, Fr
Microscopic imaging Mounir SAYADI ; ENSIT, Tn	Models of perceptual filtering: Denoising ZIED LACHIRI ; INSAT, Tn	Ontology for satellite image interpretation Imed Riadh FARAH ; ISAMM, Tn
Functional MRI in humans: Methods and Applications Habib BENALI ; F.Méd. P. et M. Curie, Fr	Audio-visual speech processing Gérard CHOLLET ; Télécom Paris, Fr	Data assimilation: application to temperature downscaling. Catherine OTTLÉ ; LSCE, CNRS, Fr
Segmentation in medical imaging Kamel HAMROUNI ; ENIT, Tn	Pattern recognition by image processing Najoua ESSOUKRI BEN AMARA ; ENISO, Tn	Radar interferometry Riadh ABDEL FATTEH ; SUPCOM, Tn
Advanced segmentation methods Basel SOLAIMAN ; Télécom Bretagne, Fr	Speech Signal Analysis: Perceptual Approaches and Auditory Modeling Kais OUNI ; ESTI, Tn	Canopy property inversion Frédéric BARET ; EMMAH, INRA, Avignon, Fr
Security of medical data Gouenou COATRIEUX ; Télécom Br., Fr	Localization and detection of moving objects by a contrario approaches Sylvie LE HEGARAT ; ACCIS, Univ.Paris-Sud, Fr	Radiative transfer modeling: DART J. Philippe GASTELLU-ETCHERGORRY;CESBIO, Fr
3D reconstruction imaging Faouzi GHORBEL ; ENSI, Tn	Audio steganography, audio watermarking Habib HAMAM ; U. of Moncton, CA	Estimation of the land surface properties using RADAR remote sensing Mehrez ZRIBI; CESBIO, Fr
Spectro-MRI	Crypto-Biometrics Dijana PETROVSKA-DELACRETAZ ; Télécom S. Paris, Fr	New generations of satellites and applications Kamel BESBES ; Fac Sc Monastir, Tn

Credit-study Recognition *Participants enrolled in doctoral programs and who wish to receive credits from their university will receive a recognized certificate from the holder of the ATSIP'2015 School Committee. The ATSIP2015 organizing committee is also in contact with graduate schools of different academic institutions (Tunisian & others) that provide doctoral programs in relevant disciplines of the spring school for the recognition of these credits. It is also up to the student to ensure the recognition of these credits from the academic administration of their university.*

Doctoral school recognizing the formation :

- ENIS, E.D. GE & ISI, Sfax ; Tunisie
- ENSIT, E.D. Génie Electrique, Tunis ; Tunisie
- TELECOM BRETAGNE, Brest ; France
- E.D. MATISSE, Brest ; France
- E.D. EEATS, Grenoble ; France
- E.D. ESDM, Toulouse ; France
- E.D. S&I, Cergy-Pontoise, France

Other D.S will be indicated in the site ATSIP2015

Registration fees

	Before 15-01-15	After le 15-01-15
Students	450 Euros	500 Euros
	including:: <ul style="list-style-type: none"> ▪ Full board accommodation: from 21 to 24 march 2015 – 3 nights (50 Euros / night extra)) ▪ Access to sessions, ▪ Course materials ▪ Coffee breaks 	
Industrials and others...	550 Euros	600 Euros