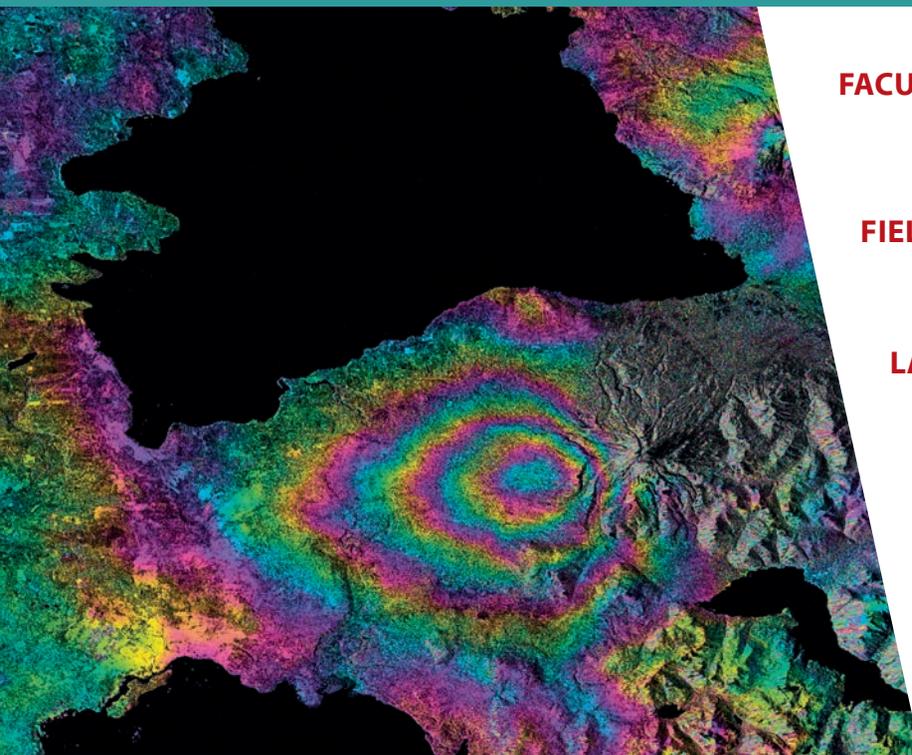
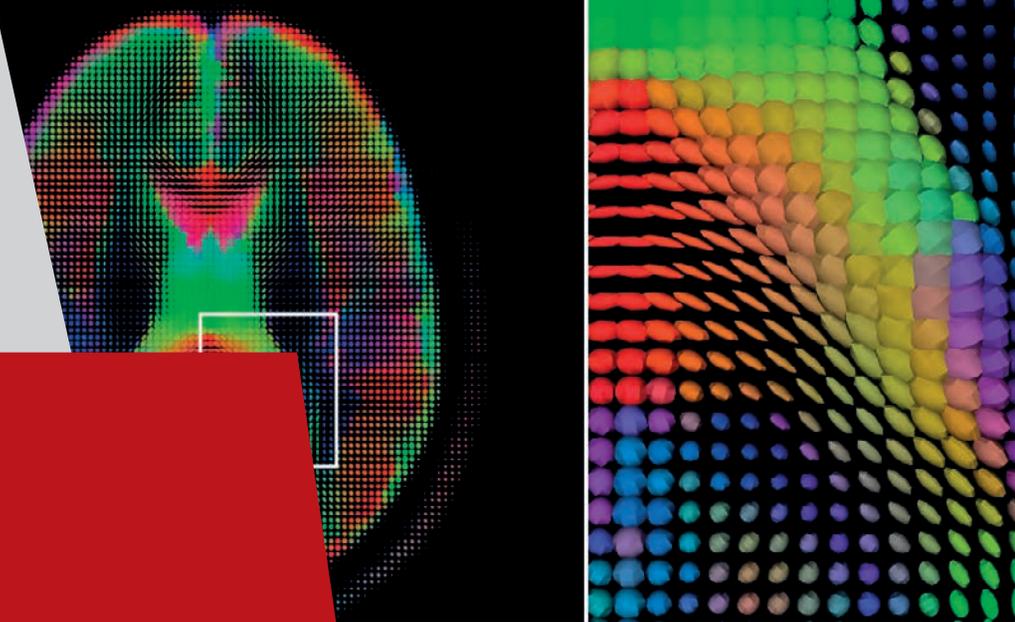


# Image and Signal Processing

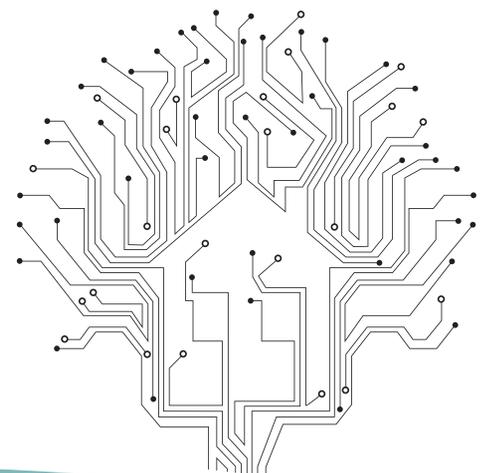


<b>FACULTY</b>	<i>Faculty of Electronics, Telecommunications and Information Technology</i>
<b>FIELD OF STUDY</b>	<i>Electronic engineering, telecommunications and information technologies</i>
<b>LANGUAGE</b>	<i>French</i>
<b>DEGREE AWARDED</b>	<i>Master of Science (MSc)</i>
<b>DURATION</b>	<i>4 semesters/2 years</i>
<b>CREDIT POINTS</b>	<i>120+10 ECTS</i>

## OBJECTIVES

The master is oriented towards both fundamental and applied research and it aims to provide a well-founded and deep understanding of all the aspects related to digital media (voice, signal or genomics, images, video, multimedia): acquisition, filtering, reconstruction, recognition, interpretation, real-time implementation, security, data mining.

The highly specialized graduates will be able to continue their studies for a Ph.D degree or to access the labor market in the general field of ITC.



## GRADUATES

The master programmed is designed to enhance the student's technical competencies in image and signal processing, in statistic and genomic signal processing, security, watermarking, embedded systems, database management, image and signal fusion and software engineering.

The students will be involved in research activities in electronics and telecommunications engineering.

The graduates will be able to design and implement complex real-time signal processing or imaging systems, to write and present research outputs in papers for journals and international conferences.

## MAIN TEACHING AREAS

Advanced image and video processing techniques, software for image and signal processing, statistic signal processing, mathematical methods and algorithms for signal and image processing, wavelet-based signal and image processing, genomic signal processing, computer vision, speech processing, FPGAs, fusion techniques, encryption and watermarking, image and video coding, data mining.

## ADMISSION REQUIREMENTS AND PROCESS, TUITION FEES

Check the information posted on the International Relations Office:  
[http://bri.utcluj.ro/RI2\\_en/admitere\\_eu\\_neu.php](http://bri.utcluj.ro/RI2_en/admitere_eu_neu.php)

## RESEARCH AREAS

Video and image processing, statistic signal processing, security techniques and algorithms, watermarking, software engineering, neural networks, reconfigurable computing, embedded systems, genomic signal processing, voice processing, multimedia technologies, multi-resolution signal and image processing, image classification.

## INDUSTRIAL / ACADEMIC PARTNERS

Université de Bordeaux, Université de Nice Sophia-Antipolis, Bordeaux Sciences Agro - École Nationale Supérieure des Sciences Agronomiques de Bordeaux, Enseirb-Matmeca Bordeaux, Agence universitaire de la Francophonie, Club Francophone d'Affaires de Cluj

## JOB OPENINGS

ITC specialists, electronics and telecommunications engineers, software engineers, academic staff, researchers and research assistants in informatics, electronics and telecommunications, researchers in technical sciences, computing systems designers and consultants, research engineers in genomics and genetic engineering.

## CONTACT

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Communication Department

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