



المدرسة الوطنية للمهندسين بسوسة  
Ecole Nationale d'Ingénieurs de Sousse

**Ecole Nationale d'Ingénieurs de Sousse,**  
Pr, Aref Meddeb, Director



Genova, 14<sup>th</sup> February 2018

- **750** Engineering Students
- **100** Master Students
- **120** Doctoral Students (Mechanical & Electrical Engineering)
- **166** Teachers (71 tenure, 25% **A level**)
- **60** Administrative Staff (65% highly qualified)
- **500** Thousand Dinars of Annual Budget (40% own resources)





- **3** **Departments** (Mecanique , Industrial Electronics & Computer Engineering)
- **3** **Research Laboratories** (LMS, LATIS, & NOCCS)
- **1** ***ENISO Incubator***
- **5** **Associations**
- **10** **Clubs**



## □ 5 Engineering Tracks

- **Mecatronics**
- **Applied Computing**
- **Industrial Electronics**
- **Embedded Communications**
- **Mechanics and Productivity**

## □ 6 Research Master Degrees (SIC, MIS, II, GT, 2IC, HiT4Med)

## □ 2 Professional Master Degrees (Mastech, & 2IM: co-constructed)

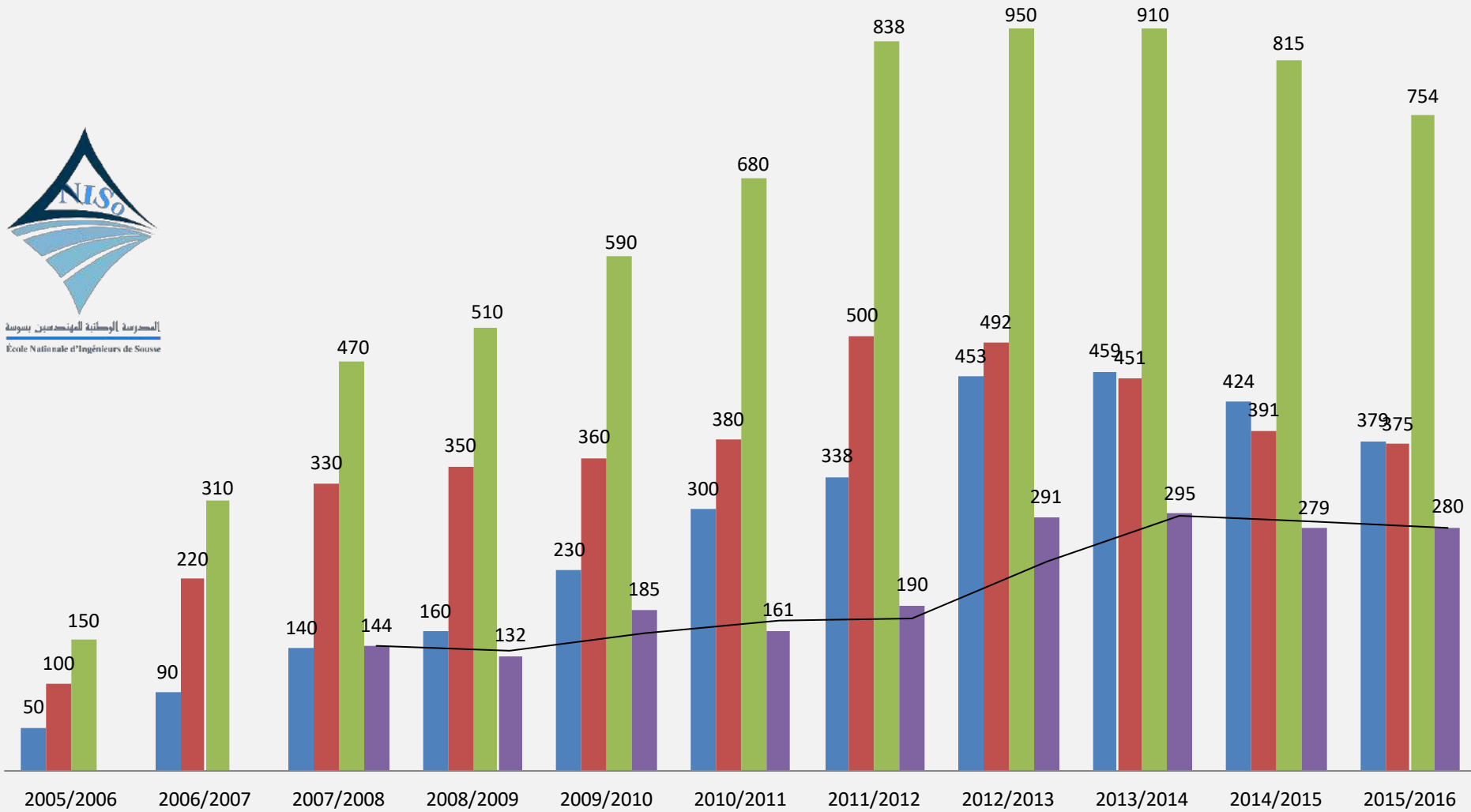
## □ 2 Doctoral Degrees (Mechanical & Electrical, (ICT Soon))



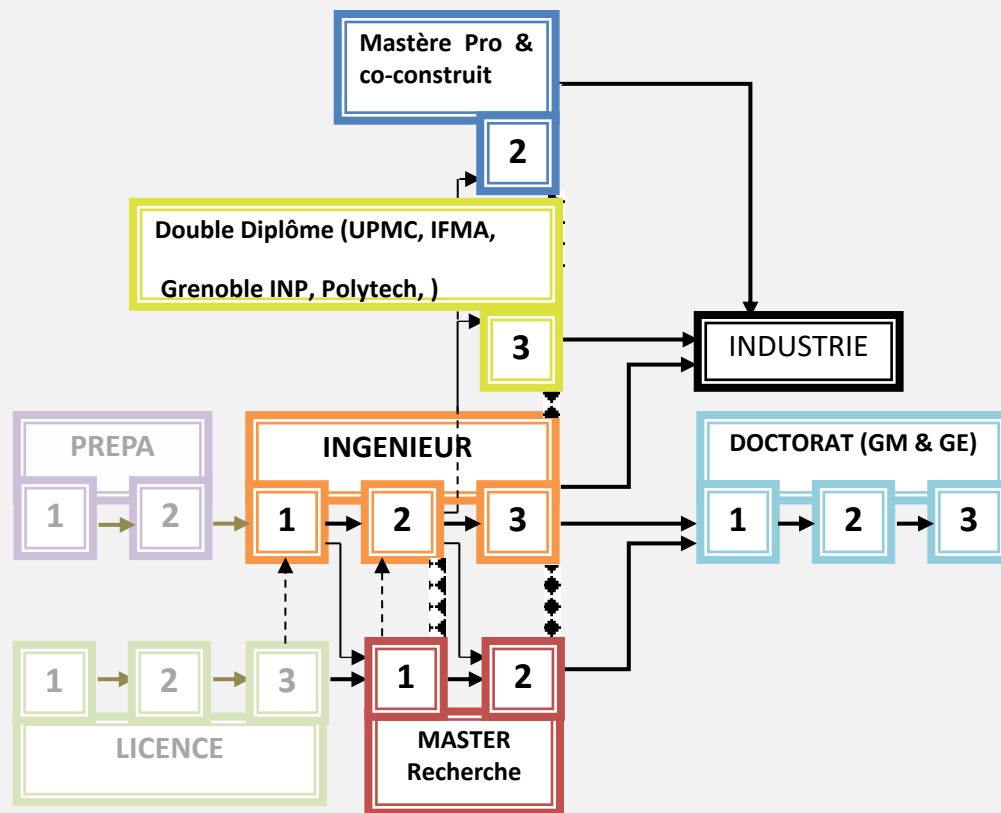
■ Filles 
 ■ Garçons 
 ■ Total 
 ■ Diplômés 
 — 2 per. Mov. Avg. (Diplômés)



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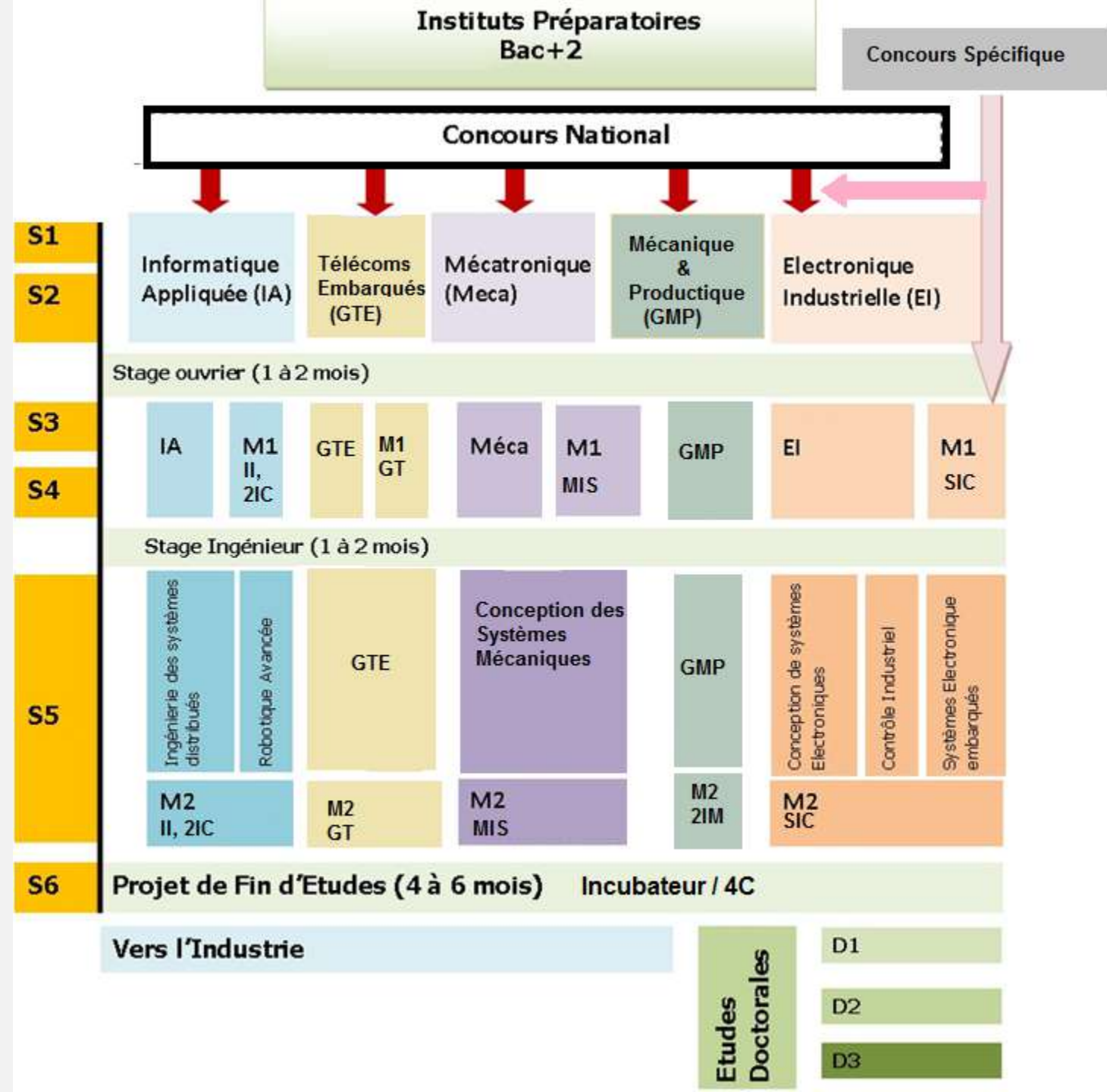
# Tracks@ ENISo



المدرسة الوطنية للمهندسين بـتونس  
École Nationale d'Ingénieurs de Sousse



# Tracks@ ENISo





# Departments

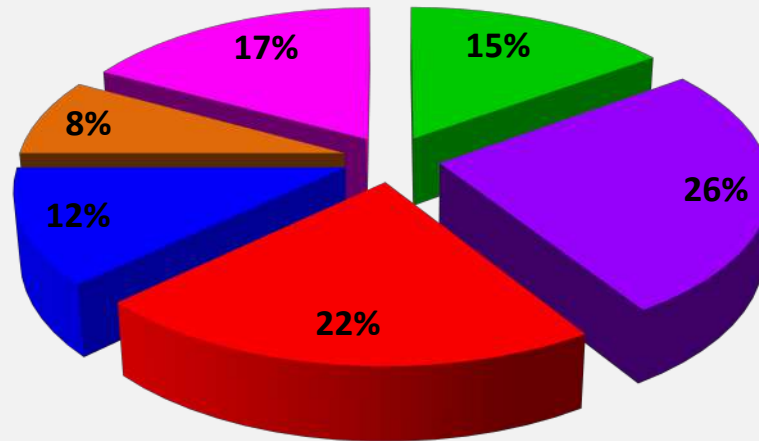




# Department of Advanced Mechanics



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- Transversal
- Mécanique
- Electronique
- Informatique
- Système
- PFE

## Certificates:

- Solid Works
- Catia
- PTC

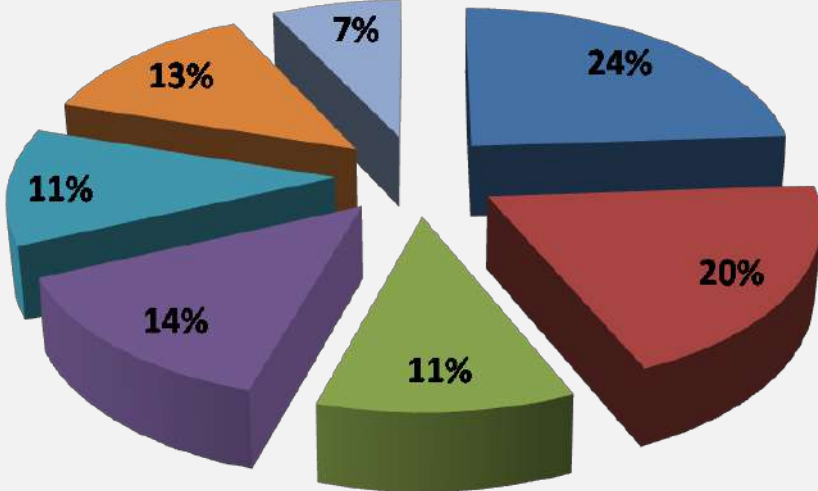
## Joint-degrees



# Department of Industrial Electronics



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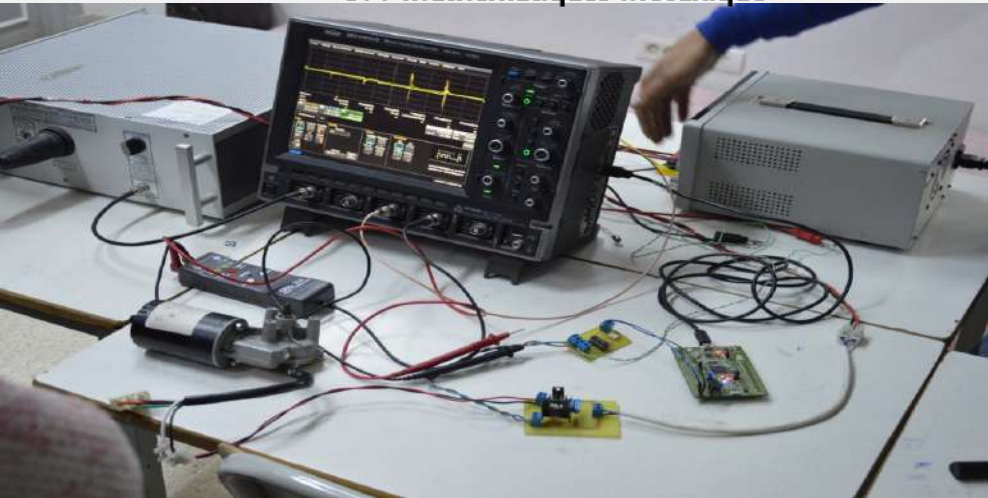
- UP1 Electronique & Microélectronique
- UP3 Système Electrique
- UP5 Informatique & Télécommunication
- UP7 Mathématiques Mécanique

- UP2 Développement Embarqué
- UP4 Contrôle Industriel
- UP6 Langues Transversalle

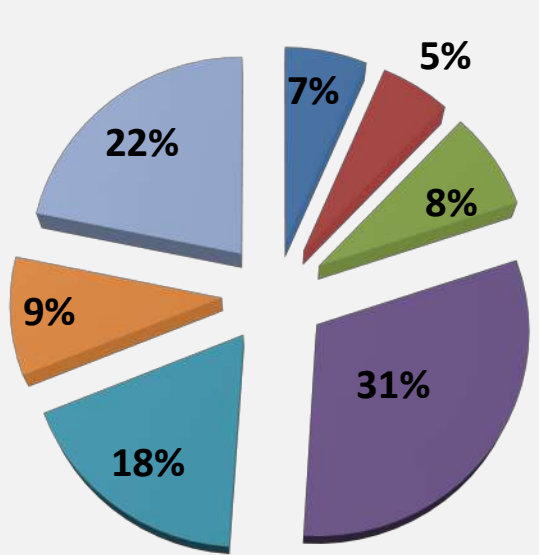
## Certificates:

- Altium Designer
- Labview

## Joint Degrees:



# Department of Industrial Computing

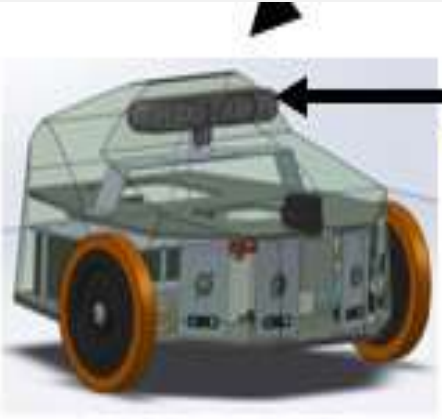
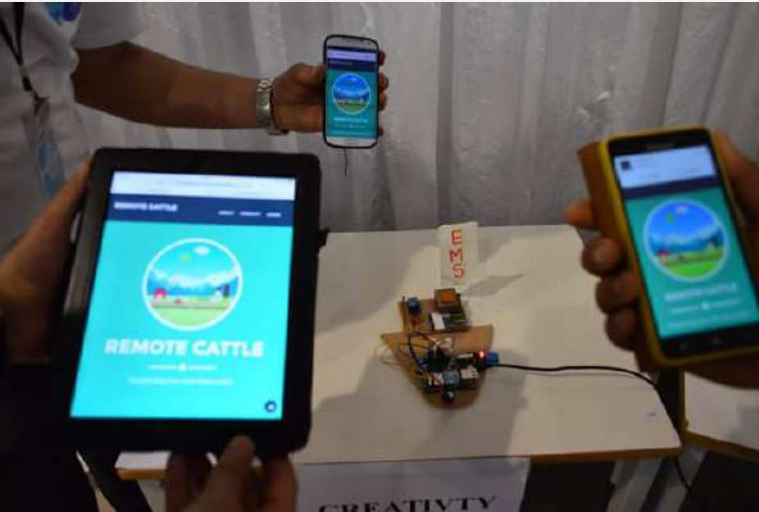


- Langues
- Economie, Gestion...
- Mathématiques
- Informatique

## Certificates:

- IBM
- Microsoft
- Big Data

## Joint Degrees:



Robot de surveillance





# Language Certificates



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**TOEIC**<sup>®</sup>

TEST OF ENGLISH  
FOR INTERNATIONAL  
COMMUNICATION



**CERTIFICAT VOLTAIRE**  
*Certificat de niveau en orthographe*

# Mobility Programs

## Student Mobility: Double degree with



## Mobilité enseignante

Fehmi GAMAOUN, docteur ingénieur en Sciences des Matériaux, arrive directement de Tunisie, pour une durée de 3 semaines, afin de donner le cours de matériaux métalliques.  
 « Durant ma première expérience à l'ECAM, j'ai été fasciné par la bonne ambiance de travail avec le corps enseignant et administratif. Les étudiants étaient attentifs, motivés et investis. »  
 L'ECAM lui souhaite la bienvenue !



2014- : Maitre de conférence habilité (Assistant professor) à l'Ecole Nationale d'Ingénieurs de Sousse  
 2004-2005 : Post-Doc à l'University of British Columbia (UBC), Department of Metals and Materials Engineering, Vancouver, Canada  
 1999-2003 : Master et Doctorat en Sciences des Matériaux de Institut National Polytechnique de Grenoble, INPG, France

Domaine de recherche actuel : Etude microstructurale et mécanique du comportement des alliages à mémoire de forme pour des applications biomédicales - Fragilisation par les métaux liquides



ODTÜ  
METU



sigma  
CLERMONT



# On going Accreditation Procedures with IEAQA



- Internal Report
- External Audit for EPST: *Etablissement Public à caractère Scientifique et Technologique*
- Candidateship for EPST status Accepted by IEAQA : *Instance nationale de l'Évaluation, de l'Assurance Qualité et de l'Accréditation*
- EPST status awaiting official publication in JORT





# On going Accreditation Procedures with CTI



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- Internal Admissibility Report in course of Preparation: Expected by end of February 2018
- Adjusting the number of hourly attendance to meet requirements
- Objective: EUR-ACE label by the fall of 2019
- Coordination Efforts with MERS

# Quality Assurance



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- PAQ: Programme d'Appui à la Qualité
- Qualycert Program: Quality Assurance and Certification Procedures in the Higher Education System of Tunisia: The project aims at the implementation of a quality assurance system, which might suit as frame of reference both nationally and regionally, at the participating partner universities. <http://www.qualycert.eu/en>

# Research Laboratories

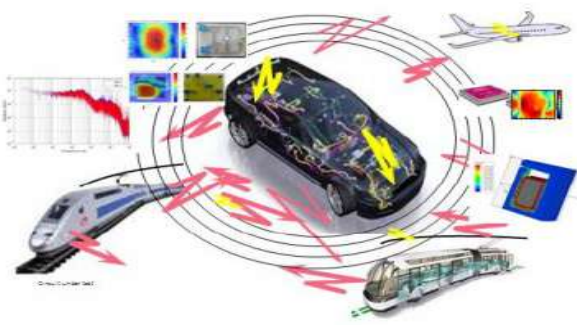


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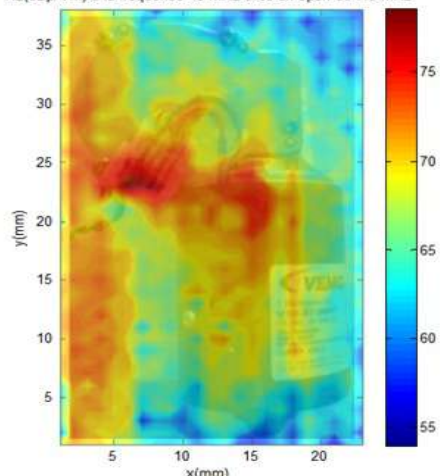




# Laboratory of Advanced Technologies & Intelligent Systems



Hz(dBμA/m) à la fréquence 40 MHz avec un span de 7.9 MHz



### Reconnaissance et mappage

Image Couleur

Image Profondeur

Modèle 3D

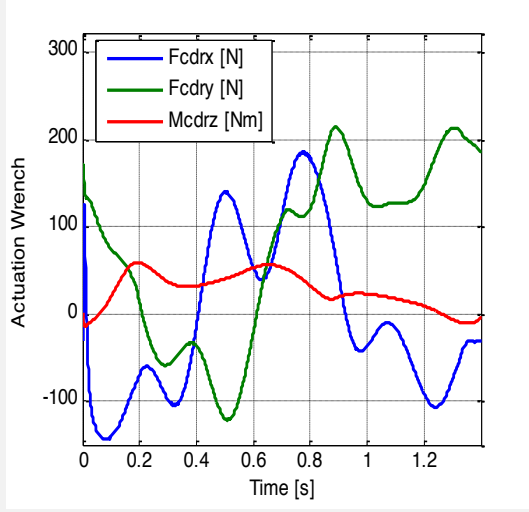
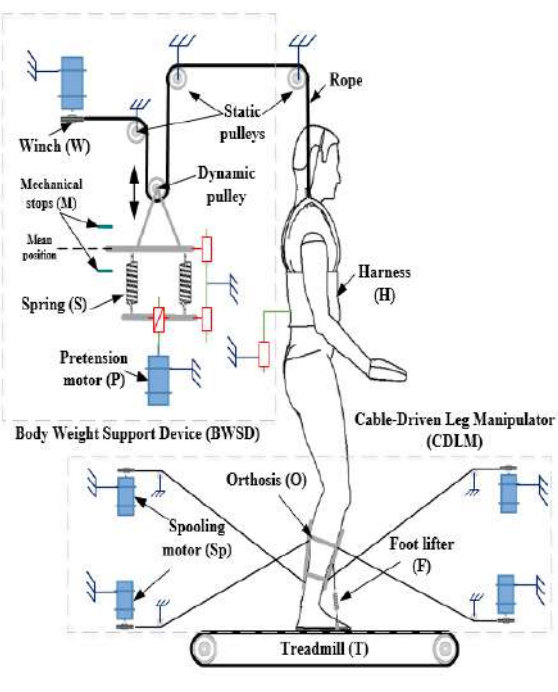
Nuage de points



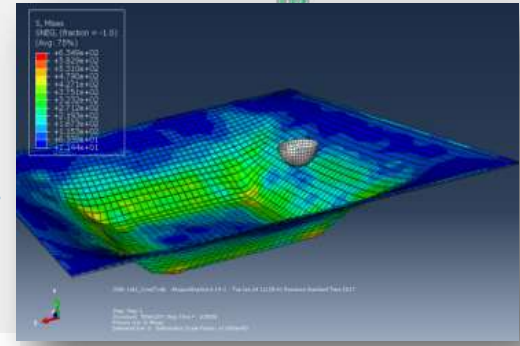
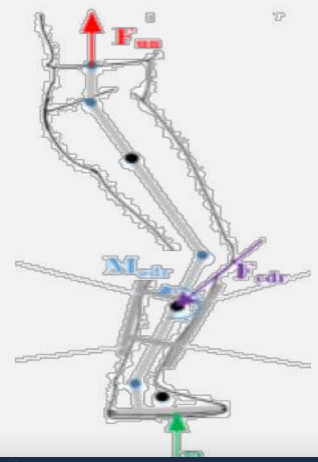
### SAGE

Step 2: Collecting faces and Learning

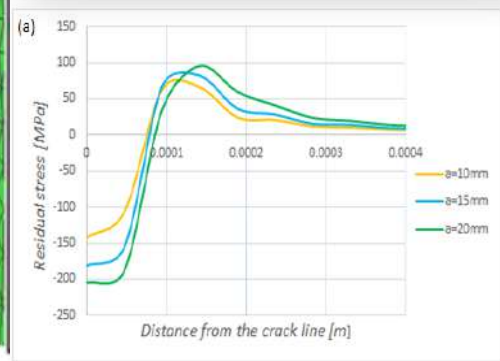
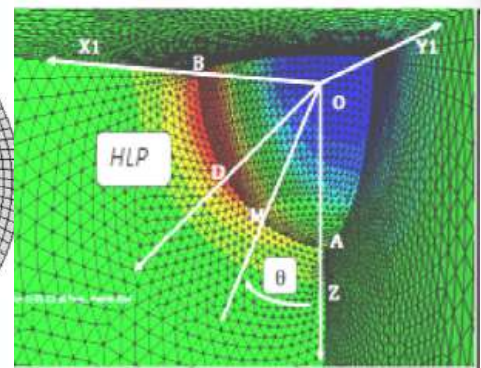
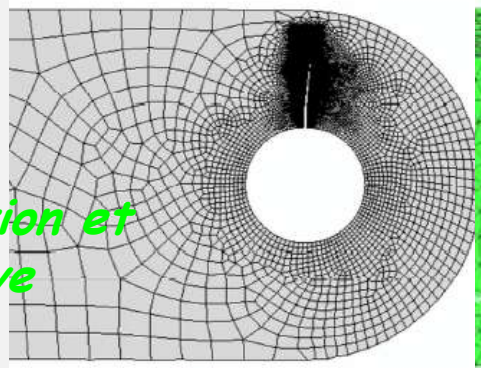
# Laboratoire de Mécanique de Sousse (LMS)



Cable-Based Gait Training Machine:  
Body Weight Support Device + Cable-Driven Leg Manipulator

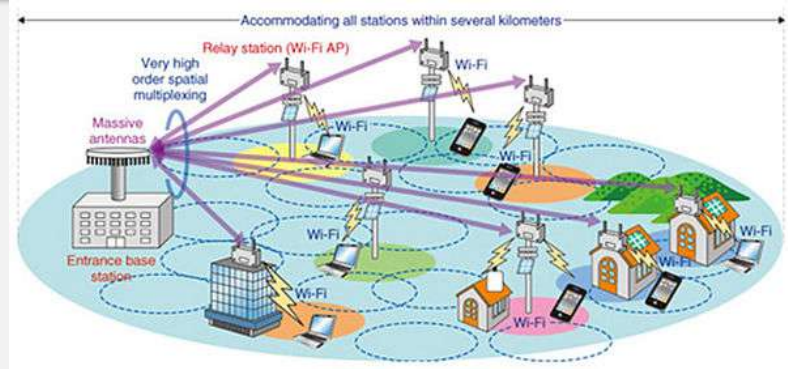
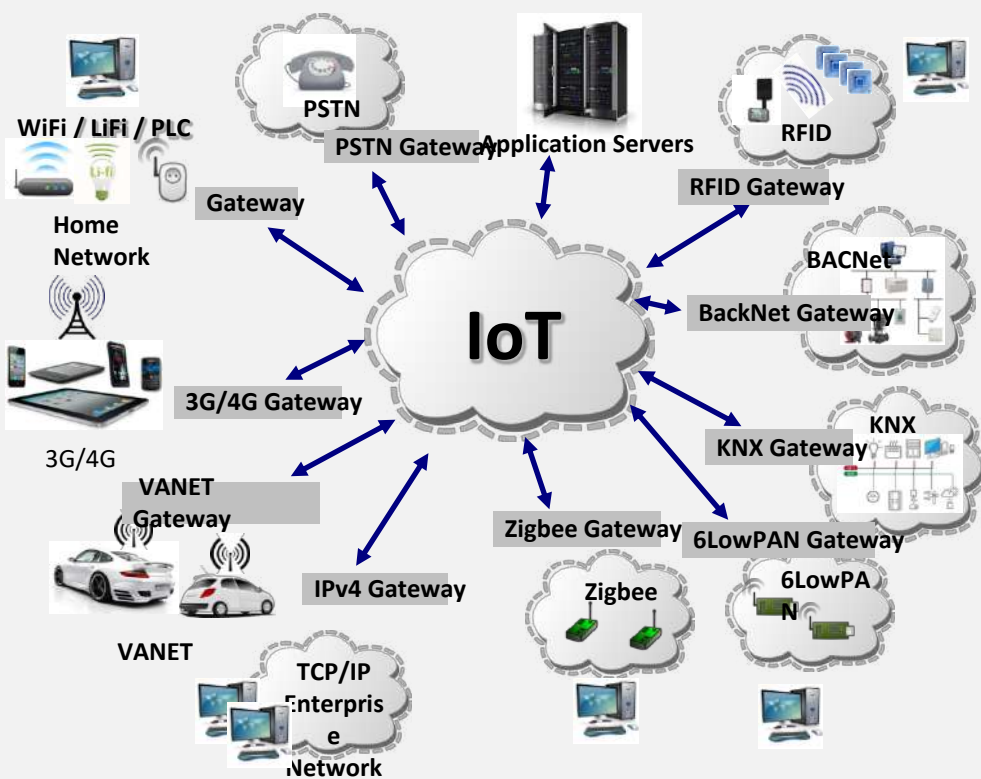


**Couplage Fatigue-Fiabiliste**  
*Amorçage propagation et inspection préventive*

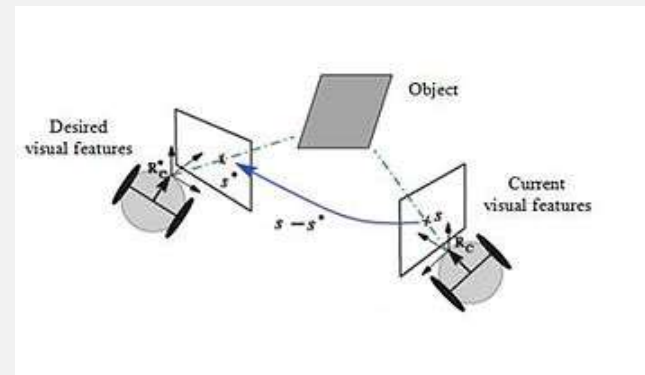
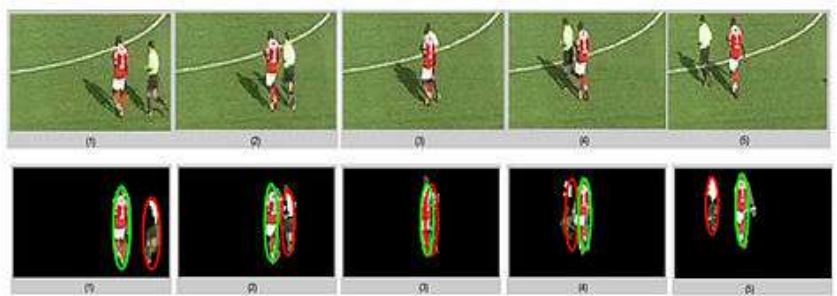




# Networked Objects Control & Communications Systems Laboratory (NOCCS)



## Tracking Objects



# Centre de Carrière et de Certification des Compétence



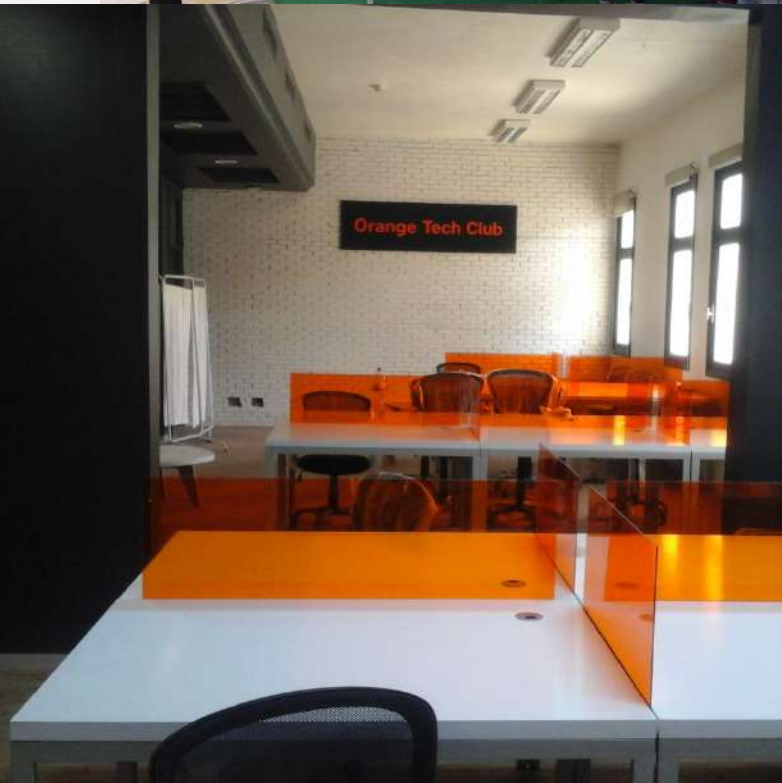


# ENISo Win/Win Partnership Projects

# SAMSUNG



# ENISo Win/Win Partnership Projects





# ENISo Win/Win Partnership Projects



**faurecia**

Interior Systems



# ENISo Win/Win Partnership Projects



ابنيس السنجاني  
مهندس وطالب شركة





# ENISo Incubator (4 Active Startups)

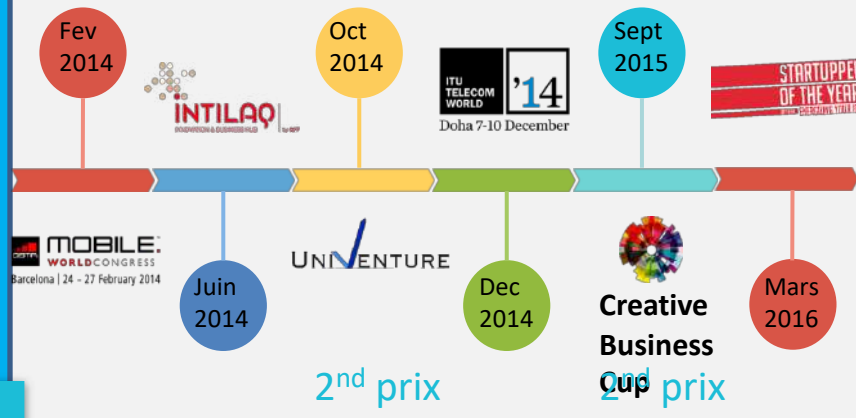
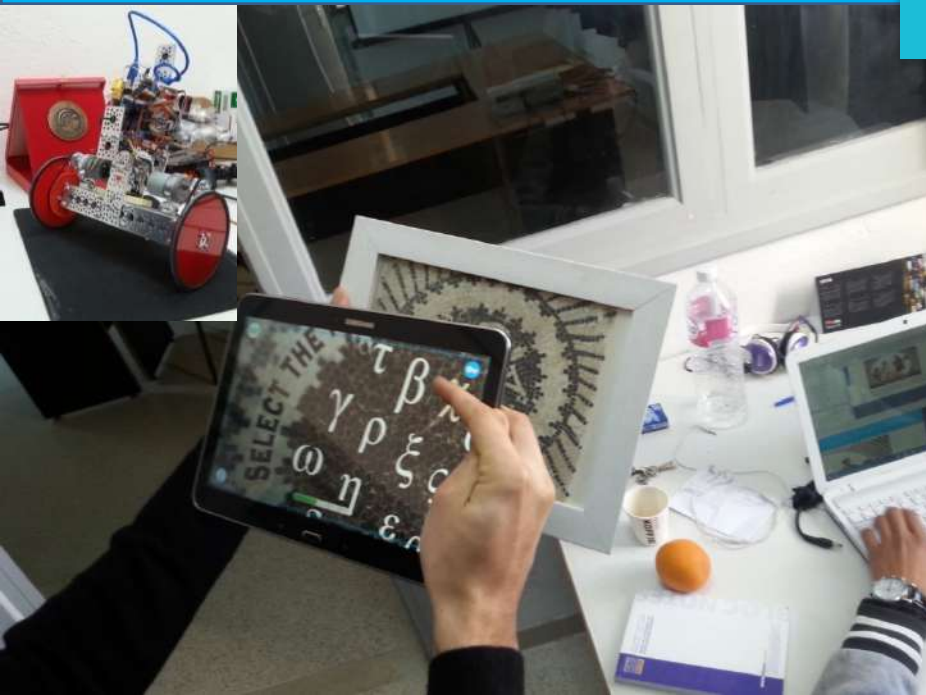


# ENISo Incubator : Evocraft





# ENISo Incubator : Incept



# ENISo Incubator : ENVAST



**envast**  
S T U D I O



# ENISo Challenges

13, 15, 16, 17 Avril

INTERNET OF THINGS

# ENISo IoT CHALLENGE

À L'ÉCOLE NATIONALE D'INGÉNIEURS DE SOUSSE

IEEE ENISo SB

Waycon, Yoslamen, Coca-Cola, STI, Cerealis, PCS, chifco, Icteos, Sasanel

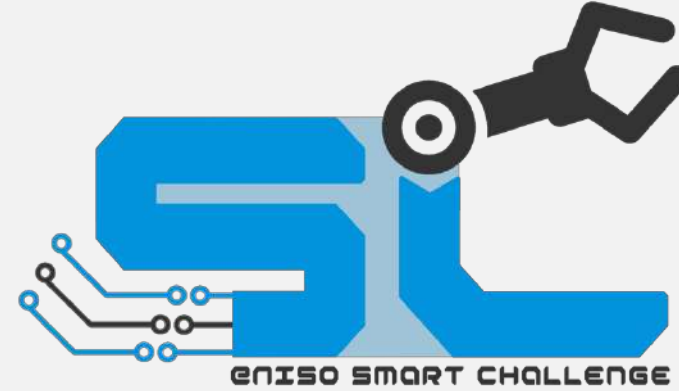
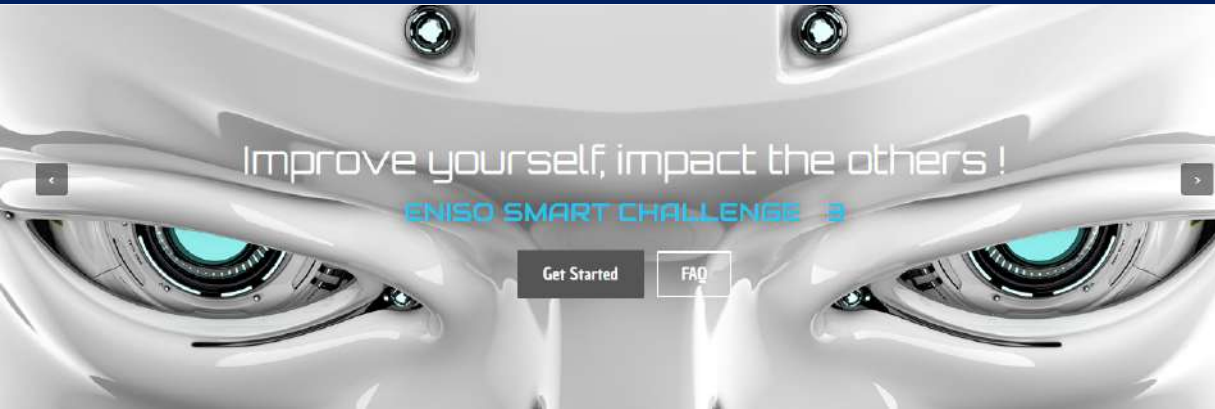
Detailed description: A horizontal banner for the ENISo IoT Challenge. The background is a dark teal with a circuit board pattern in light teal and yellow. The text is white and yellow. At the top right, there are logos for IEEE ENISo SB and the ENISo logo. At the bottom, there is a row of sponsor logos including Waycon, Yoslamen, Coca-Cola, STI, Cerealis, PCS, chifco, Icteos, and Sasanel.



# ENISo INTERNET OF THINGS CHALLENGE

Detailed description: A circular graphic with a blue background. In the center, the text 'ENISo INTERNET OF THINGS CHALLENGE' is written in white. The text is connected to various icons by white lines that resemble cables or data paths. The icons include a laptop, a smartphone, a smartwatch, a house, a person, a clock showing '24', and a speech bubble with a '3' inside. The overall theme is the Internet of Things (IoT).

# Smart Challenge





# ENISo Challenges



Tayssir BEN ACHOUR



Amine Makni



Khouloud TOUNSI



Mohamed DHAOUAFI



Mohamed Baazaoui



Turkiye Entrepreneurship  
INCUBEC IZMIR

Congratulations



Ecole Nationale d'Ingenieurs de Sousse  
المدرسة الوطنية للهندسة بـسوسة



# Forum de Convergence ENISo Entreprise



**Le Forum de convergence ENISo 2012**

Mercredi 25 Janvier 2012 à l'ENISo Technopole de Sousse

Ecole Nationale d'Ingénieurs de Sousse

**FORUM DE CONVERGENCE ENISO-ENTREPRISES** 3<sup>ème</sup> édition

Le 22 Janvier 2014

Industrie intelligente

FCEE




L'ÉCOLE NATIONALE D'INGÉNIEURS DE SOUSSE ORGANISE:

2 DECEMBRE 2013

**LE FORUM DE CONVERGENCE ENISO-ENTREPRISES** 5<sup>ème</sup> ÉDITION

SOUS LE THEME **ÉNERGIE INTELLIGENTE**

Ecole Nationale d'Ingénieurs de Sousse

FCEE

**FORUM DE CONVERGENCE ENISO-ENTREPRISES** 7<sup>ème</sup> édition



**INDUSTRY 4.0**  
"Rethinking The Industry"

Forum de Convergence ENISo-Entreprises

**INTERNET OF THINGS**



ÉCOLOGIE SANTÉ TRANSPORT




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# Student Clubs



# Student Associations





# Conventions with Industry





# Industrial Partners



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École Nationale d'Ingénieurs de Sousse

orange™

faurecia

SAMSUNG

whitecape

TRITUX  
You think it... We do it.

PCS  
OFFSHORE BUSINESS  
City

Parrot

itSERV

vermeg

IBM

ST  
life.augmented

Valeo

stunas  
industries

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Sagemcom

Enova  
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qmic

# Socio-Economic Partners



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Deutsch-Tunesische Industrie- und Handelskammer  
الجمعية التونسية الألمانية للتجارة والصناعة  
Chambre Tuniso-Allemande de l'Industrie et du Commerce



مركز الحساب الخوارزمي  
Centre de Calcul El-Khwarizmi





**Join  
US**

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**Université de Sousse**

**BP 264 Sousse Erriadh 4023**

**Tél.: +216 73 369 500 / 501 /502 Fax : 506**

**[www.eniso.rnu.tn](http://www.eniso.rnu.tn)**

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