

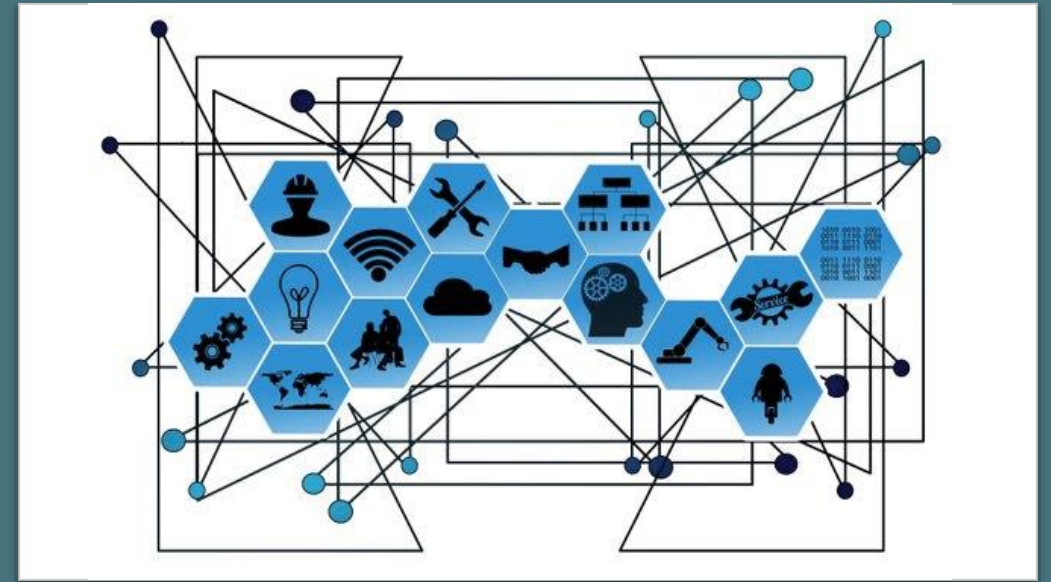
Full Stack Software and network Engineering for IoT

<< More than the sum of its devices, the Internet of Things links technologies together to create new services and opportunities. >>

Course (2 ECTS)

Master II Informatique, Ubinet, and Polytech-SI5

TEMPORARY Web Pages on <https://lms.univ-cotedazur.fr/course/view.php?id=14264>



UNIVERSITÉ
CÔTE D'AZUR 

Lecturers



*Jean-Yves
Tigli*



*Stéphane
Lavirotte*



*Gérald
Rocher*



*Fabien
Ferrero*



*Nicolas
Ferry*



*Yves
Roudier*

Full Stack SE4IoT - jean-yves.tigli@univ-cotedazur.fr

MIT Agenda and Lecturers

Session 1		
09:00-12:15	J.-Y. Tigli UCA – I3S/CNRS	Introduction to Internet of Things (IoT) and its challenges – Bibliographical Research & Technics
Session 2		
08:00 - 10:00, 10:15 - 12:15	Fabien Ferrero UCA LEAT/CNRS	LPWAN networks for IoT - Tutorial on LoRa
Session 3		
08:00 - 10:00, 10:15 - 12:15	G. Rocher & J.Y. Tigli	IoT : Event based Architecture and Middleware for IoT – Complex Event Process Tutorial MQTT - OASIS standard and CEP

MIT Agenda and Lecturers

Session 4		
08:00 - 10:00, 10:15 - 12:15	Nicolas Ferry & J.-Y. Tigli	Web Services for IoT : IoT Device as a ressource (WoT) versus as a service (WSD) Tutorial HTTP/CoAP - WS/REST – WSD
Session 5		
08:00 - 10:00, 10:15 - 12:15	J.-Y. Tigli	Bibliography Delivery
Session 6		
08:00 - 10:00, 10:15 - 12:15	Y. Roudier	Security for IoT
Session 7		
08:00 - 10:00, 10:15 - 12:15	S. Lavirotte & J.Y. Tigli	WSD and WSD composition in the cloud - tutorial Ubiquaria
Session 8	G. Rocher	Advanced MIT : SWoT & Semantic Interoperability (G. Rocher)

Moodle & Slack platforms

TEMPORARY <https://lms.univ-cotedazur.fr/course/view.php?id=1276>

The screenshot shows the Moodle LMS interface for the course 'EIINI902 - ECUE Middleware for the internet of things'. The interface includes a sidebar with navigation links such as 'Participants', 'Badges', 'Compétences', 'Notes', and 'Syllabus'. The main content area displays the course title and a list of sessions. A Slack channel interface is overlaid on the right side of the Moodle page, showing a search bar and a list of channels, with '#fsse4iot_21_22' selected.

Slack Channel :

#fsse4iot_21_22


Subscribe Now and Test it !

If your not yet registered send me an email like that :

Subject : [MIT elms REGISTRATION]

With your email, first name, last name and your section, inside.

Remote Learning if we need !

- Courses will take place remotely using Zoom,  unless some materials are required for tutorial labs.
- This will be indicated in the week before the corresponding course.
- The presence in the courses is mandatory except with official justification
- My course (J.-Y. Tigli) will take place in my zoom office :
<https://univ-cotedazur.zoom.us/my/jy.tigli.home>
- For the other lecturers, they will send you their own link for their session...

Evaluations :

1. **During Lectures** : one or more MCQ * about all the previous lectures and tutorials (last year : two)
2. **Personal Work** : Writing your own paper on a
 - MIT Research topic
 - MIT new Technology
3. **Possible evaluation of a Practical Course** : Evaluation from the Tutorial about Complex Event Processes (MQTT)

(*) MCQ : Multiple Choice Questions

