

TC/IST — Welcome 2025

Stéphane Frénol & Stéphanie Zeoli & Tanguy Risset

Slides available on Moodle:

<https://moodle.insa-lyon.fr/course/view.php?id=10209>



11/09/2025

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- 2 Information Science & Technology (in TD F)
- 3 5TC courses: Telecommunication Department
- 4 Integration at INSA

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TC - International Relations Office

- **Stéphane Frénol** <Stephane.Frenot@insa-lyon.fr>
Professor @INSA Lyon, CITI, Head of International Relations @TC
(Pedagogical questions on exchange)
Office at Citi lab (need special access), (discord sfrenot)
- **Tanguy Risset** <Tanguy.Risset@insa-lyon.fr>
Professor @INSA Lyon, CITI, IST program coordinator
(questions on IST courses and IST research project)
Office at Citi lab (need special access)
- **Zeoli Stéphanie** <stephanie.zeoli@insa-lyon.fr>
Technical training assistant for International Relations @TC
Office at TC administration: 2nd floor of Hedy Lamarr building
Present **Tuesday morning and Wednesday afternoon**
- **Allways include** <stephanie.zeoli@insa-lyon.fr> in your mails

Exchange semester at Telecommunication Dept

- Two types of courses
 - **IST courses** (Bachelor level),
 - ⇒ IST Semester (IF/TC/GE aka CS/Telecom/EE)
 - **5TC courses** (Master level),
 - ⇒ TC Dept Semester
- Plus Minor Dept Courses (IF, GEN, etc.)
 - ⇒ See with **Minor Dept. International Relations Coordinator**
- You have validated your learning agreement and you have been registered on all your courses
 - ⇒ **It is not possible to change course now** unless there is a big issue (e.g. strong scheduling conflict between course)
 - ⇒ **Please check on monDossier all the courses** you are registered to (monDossier on the web:
<https://mondossierweb.insa-lyon.fr/mondossierweb/>)
- Timetables on <https://tc-net.insa-lyon.fr/> (**not ADE** used in other departments)

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Information Science & Technology

Part 1 ($\simeq$ 5 weeks) 14 sept - 23 oct

- Computer Networks: LAN & IP networks (**NET1**)
- Java Programming (**JAV**)
- Assembly Programming (**ASM**)
- Signal and Image Processing - Part1 (**SIP1**)
- Transmission lines and RF systems (**TLRS**)
- Databases (**DBM1**)

Part 2 ($\simeq$ 6 weeks) 2 nov - 11 dec

- Computer Networks: Routing in the Internet (**NET2**)
- Distributed System and Middleware Design (**MID**)
- Wireless Communication Basics (**WCB**)
- Operating Systems (**OPS**)
- Signal and Image Processing - Part1 (**SIP2**)
- Databases (**DBM2**)

Information Science & Technology

- **Syllabus** (course content): <https://www.insa-lyon.fr/fr/information-science-technology-semester-ist>
(https://www.insa-lyon.fr/sites/www.insa-lyon.fr/files/catalog_ist-semester-2025-2026.pdf)
- **Schedule**: <https://tc-net.insa-lyon.fr/>
- **All courses in TD-F**: Heddy Lamarr building
- **Discord server**: <https://discord.gg/4pG5GHmyt>
- Plus **Research project** (REP, explained next slide)
- Plus **French courses** (FLE/Tandem, mail by Elisabeth Aumeunier around september 14th)
- **Exams** at end-October & mid-December (last course)
- Two scenarios for the end:
 - Students **going back home** for Christmas
 - Students **staying in January** for external courses exams / project
- Transcript of record **available only after the jury** (usually in march/april)

IST Research project (REP)

- Project ($\simeq 100h$) associated with a **researcher in a lab**:
 - **Citi** (<https://citi-lab.fr/>) Affiliated to INRIA
 - **LIRIS** (<https://liris.cnrs.fr/>) Affiliated to CNRS
 - **CREATIS** (<https://www.creatis.insa-lyon.fr/>) Affiliated to CNRS, INSERM.
- All **IST teachers** are researchers in these labs.
- Please **go and ask the teachers** if you have a preferred topic.
- The available topic proposal will be shown on Moodle on page untitled **IST Central page and REP project List** (<https://moodle.insa-lyon.fr/course/view.php?id=10209>)

Example of Research Project (REP 2024)

- [Simulation of User Association in Cellular Networks](#). Razvan Stanica, razvan.stanica@insa-lyon.fr
- [Training Neural Networks to Predict Imminent Failures of Natural Slopes using Fiber Bundle Model and Co-Detections](#). Frédéric Le Mouël, frederic.le-mouel@insa-lyon.fr
- [From KVM, docker, kubernetes to OpenStack: can we virtualize the network interfaces or only the network services?](#). Frédéric Le Mouël, frederic.le-mouel@insa-lyon.fr
- [Multi-robot cooperation for source localization via gradient estimation](#). Alessandro Renzaglia, alessandro.renzaglia@inria.fr
- [Wi-Fi replay attacks and privacy](#). Mathieu Cunche, mathieu.cunche@insa-lyon.fr
- [Going towards sustainable and frugal Artificial Intelligence](#). Clémentine Gritti, clementine.gritti@insa-lyon.fr
- [Simulation and analysis of a quantum algorithm](#). Claire Gousaud, claire.gousaud@insa-lyon.fr
- [Generative AI for automated FAQ related to INSA procedures](#). Stéphane Frénot, stephane.frenot@insa-lyon.fr
- [Strategies for Handling Noisy Annotations in Deep Learning Vascular Segmentation](#). Odysée Merveille, odyssee.merveille@creatis.insa-lyon.fr

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TC - Telecommunications department

TC dept: <https://telecom.insa-lyon.fr/en>

- [Engineering diploma](#) after 5 years (2 FIMI + 3 TC)
- Topics:
 - Transmission technologies
 - Computer networks
 - IT
 - Humanities

Concerning [Exchange students](#) (except double diplomas):

- Mostly [5TC courses](#), search 5TC in the catalogue:
- <https://www.insa-lyon.fr/sites/www.insa-lyon.fr/files/catalogue-tc-25-26.pdf>

TC - Telecommunications department

- Courses Dates (included exams):
14th Sept. - 2nd Febr.
- Courses may have **scheduling conflicts** with IST courses
- Welcome by Razmig Kechichian on **Monday 14th Sept.** (8h, room Projet Vitrine)
- Course **Schedule**: <https://tc-net.insa-lyon.fr/>
- FLE and Tandem : mail 14th Sept. + slides

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Integration at INSA

- Sports:
 - ⇒ (leisure sport) **BDE**: <https://bde.insa-lyon.org/>
 - If you need **ECTS credits with sport courses**, contact the Sports Center: <http://intranetcds.insa-lyon.fr>
Contact: Virginie Baraud <virginie.baraud@insa-lyon.fr>
- **INSA Associations** (130+)
<https://portail.asso-insa-lyon.fr/association/botinsa/>
- **Astus** (Telecommunication Dept Students Association)
<https://www.facebook.com/astus.insa>

Useful Links

- Secretary of IST/TC: [Zeoli Stéphanie](#)
<stephanie.zeoli@insa-lyon.fr>
- Head of TC exchange: [Stéphane Frénot](#)
<Stephane.Frenot@insa-lyon.fr>
- Head of IST exchange: [Tanguy Risset](#)
<Tanguy.Risset@insa-lyon.fr>
- Secretary for French language department : [Delphine FRADOIS](#)
<delphine.fradois@insa-lyon.fr>
- Application and accommodation:
<https://www.insa-lyon.fr/en/node/17257>
<welcome@insa-lyon.fr>
<welcome2@insa-lyon.fr>
<welcome3@insa-lyon.fr>

Conclusion

- First IST/5TC courses **next week**.
- **Write a mail to the three of us** if you have a problem with your courses appearing mon monDossier
(<https://mondossierweb.insa-lyon.fr/mondossierweb/>)
- Timetables on <https://tc-net.insa-lyon.fr/> (**not ADE** used in other departments)
- Calendar app integration
<https://tc-net.insa-lyon.fr/aff/AffichageEdtPalmGroupe.jsp?promo=IST&groupe=1&dateDeb=1788097112113>

Conclusion

- First IST/5TC courses **next week**.
- **Write a mail to the three of us** if you have a problem with your courses appearing mon monDossier
(<https://mondossierweb.insa-lyon.fr/mondossierweb/>)
- Do not hesitate to come to **Stéphanie's office**.
- Choose your **REP project** before end of september (2 students per project allowed)
 - In the above list (we will send you the updated list regularly)
 - Ask to IST teachers

⇒ inform us by mail when you have chosen your project.
- Check for **scheduling conflicts** with other departments or IST/5TC conflicts.
- **Welcome in Lyon!**

Conclusion

Thanks for your attention