

INSA

INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
LYON



INSA LYON

NATIONAL INSTITUTE OF SCIENCE
AND TECHNOLOGY IN LYON

Experience

A GREEN AND VIBRANT CITY



Full of history and beauty, Lyon can boast many titles: capital of gastronomy, city of cinema or capital of Roman Gaul... Be amazed by a multi-faceted town!

INNOVATION

Over the centuries, many people from Lyon have left their mark on the arts and sciences. Take, for example, the Lumière brothers, inventors of cinema, André Ampère in the field of physics or Claude Bernard and Marcel Mérieux in the field of medicine. Lyon has always been a city of innovation and continues to develop research centers and science clusters at the cutting edge in fields such as the life sciences, eco-technology and digital technology.

- **600 public and private research centers**
- **1st industrial metropolis and 2nd digital cluster in France**

CULTURE

According to the *Journal des Arts*, Lyon ranks as France's second city of culture, just behind Paris. And not without reason: the city abounds in museums, from the Musée des Confluences [science and natural history] and the Museum of Contemporary Art, to the Museum of the Resistance and the Institut Lumière [cinema]. The city's cultural life encompasses more than 21,000 events throughout the year, including fairs, concerts, plays, festivals and biennials, and some major international events such as the Festival Lumière, the Biennale de la danse, the Biennale d'art contemporain, the Nuits Sonores and the must-see *Fête des Lumières*, festival of lights.

The city is also highly renowned for its gastronomy with Paul Bocuse, 15 starred restaurants, the Cité de la Gastronomie, and 4,000 restaurants – need we say more?

- **France's leading city of culture after Paris**
- **21,000 events, all year round**

QUALITY OF LIFE

Every year, several million tourists come to Lyon. The capital of the Gauls has become a choice destination for a city break, with plenty to see and do and a high-quality cultural offering. The banks of the Rhône and Saône rivers have been developed to make them the ideal place for a stroll and leisure pursuits. Then there is the Tête d'Or park, a 'green lung' in the heart of the city, and the complete rehabilitation of the Confluence district. This all means that Lyon offers a particularly attractive living environment that is popular with executives, who place Lyon at the top of the list of cities they'd like to settle in.

Ideally located in south-eastern France, Lyon is capital of the Auvergne-Rhône-Alpes region and just 2 hours by high-speed train from Paris and 1 hour 40 minutes from the Mediterranean coast and the big ski resorts of the Alps.

Lyon-Saint Exupéry airport is connected to 115 destinations and welcomes 8.5 million passengers every year.

- **Elected European Capital of Smart Tourism (European Union, 2019)**
- **1st European City for Accessibility (European Commission, Access City Award 2018)**

VILLEURBANNE

The Lyon-Tech La Doua Campus is located in the city of Villeurbanne, just east of Lyon, 15 min away from the city center. It is green and pleasant and the second-largest city on the Rhône river with 150,000 inhabitants.

It welcomes foreign students, particularly during the Nuit des étudiants du Monde (World Students' Night), which takes place in mid-October. This event is an opportunity for the students to get to know one other and find their way around some of the city's key sites.



**LYON,
A GREAT PLACE TO STUDY**

The community of universities and institutions offers a rich and diverse range of courses from four universities and Grande Ecole higher education establishments. With internationally renowned institutions that work hand-in-hand with some high-profile competitive clusters, Lyon has plenty to offer.

700
exchange partnerships

144,500
students

Welcome Home

*Croissants and French bread. A morning run.
Or early-morning revision. Enjoy all of that on campus,
in our student accommodation and eateries.
Embark on new adventures and create great memories.*

CAMPUS MAP

CLUBS AND ASSOCIATIONS

There is strong involvement in clubs and associations at INSA Lyon. In fact, there are 130 associations in all, giving everyone a chance to put their talents to good use while contributing to campus life. The Student Union of INSA Lyon is the largest organization of its kind in France and every year it organizes some flagship events including the largest student festival in Europe, induction activities, a sports challenge, a gala, a TEDxINSA talk... and much more! In fact, many of these events have an international scope.



TAKE ADVANTAGE OF OUR CULTURAL OFFERINGS

Culture is part of our students' day-to-day lives: the cultural center in the Humanities Department hosts contemporary art exhibitions, lectures and an array of other cultural events all year round. There is also a 400-seat concert hall, entirely managed by students.



EATERIES

The INSA Lyon on-campus restaurants provide meals for students and school staff, from breakfast to dinner, seven days a week. There are different options for students according to their diet, regardless of whether or not they live on campus.

More information on: <https://www.insa-lyon.fr/en/catering>





YOUR NEW HOME

The Lyon Tech-La Doua campus can accommodate all students in one of the school's 11 halls of residence. The accommodation ranges from studio flats to two-bedroomed apartments which are furnished with a bed, a desk, a bathroom and a small kitchen. Prices range between €300 and €600 for a double room in a two-bedroomed apartment, or a one-bedroomed apartment with balcony. The following charges are included: heating, electricity, water, condominium taxes, wifi and access to common rooms. Accommodation is guaranteed for the first year at INSA and for all international students who apply for it.

Students who choose to live off campus can contact the real estate agencies and the CROUS (Centre régional des Écoles et des Services d'Université), which has some subsidized accommodation reserved for students in need.

To contact this service: **+33(0)4 72 80 17 70 – www.crous-lyon.fr**
More information on: www.insa-lyon.fr/en/residences



A CAMPUS FULL OF ENERGY

Sport is really important at INSA Lyon. In fact, it is compulsory for permanent students and there's an activity for everyone. With the sports association, the gymnasium and football and rugby pitches, tennis courts, athletics track and swimming pool, there is plenty of opportunity to do extra sport, in addition to your regular physical education classes.

BREATHE IN THE CAMPUS AIR

The Lyon-Tech La Doua campus is a pleasant place to study, with plenty of green space. Located near Parc de la Feyssine and Parc de la Tête d'Or, it offers a refreshing and healthy living environment.



OYONNAX

An hour's drive from Lyon, there is a second INSA Lyon campus in the town of Oyonnax. The result of a partnership with the Technical and Industrial Center for Plastics and Composites (IPC) in the heart of Plastics Valley, close to some major companies, it possesses a wide range of sports and leisure facilities. Oyonnax is recognized as a hub and a competitive cluster of the plastics industry.

The MID Center is an international benchmark for smart plastics and fabrics.

The people who study, teach, research and work here are what makes INSA Lyon so special. Everyone nurtures the 'INSA culture', lives at 'INSA pace' and has their own special place in the broad 'INSA family'. Discover what lies behind these four letters from the viewpoint of the people who make our school what it is.



" Teaching at INSA Lyon is far from humdrum. Here, humanities teachers, like me, don't only deal with student engineers, but with future citizens and tomorrow's decision-makers. Our job is to provide them with all the keys they need to be as excellent and, at the same time, as humane as possible. I am proud to teach this new generation, who are full of innovation and hope. "

Gonzalo Suarez
Teacher in the Core Foundation
Engineering Program

740
teachers and
researchers

9
specialized
departments

THEY
ARE

INSA



" Anything is possible at INSA Lyon. Here, I can study in a field I am passionate about and continue the activity I love most of all: dancing. We're lucky in that we don't have to choose to sacrifice one passion for another and I know that what makes me who I am, what makes me happy, is accepted and recognized by my school in an arts studies qualification. I am also grateful for the opportunity to enjoy campus life in a natural environment and with a vibrant student life. It is also a great place to meet people, people from different backgrounds from whom I learn something every day! "

Emily Pilache
Student in mechanical engineering

35%
female
students

130
student clubs
and associations

4
arts
streams



“ At INSA Lyon, the research landscape is extremely rich: there are many centers working side-by-side and interacting – with one other and with students. This brings researchers from very different disciplines together and fosters the emergence of new partnerships and some innovative research projects.

INSA Lyon’s research is structured around societal issues so there is an interesting framework in which to spark new synergies between centers. The business world recognizes this and there are multiple partnerships with companies! ”

Aline Bel-Brunon
Researcher at Laboratory of Contacts and Structural Mechanics

150
Thesis
defenses
each year

200
patents filed
since the creation
of Insavalor

7
research
chairs



“ I’ve been working at INSA Lyon for 15 years. Here, I find a broad array of tasks, subjects, scientific openness, people who are open-minded, interested and motivated for quality public service. No two days are the same and I’m lucky enough to work on cross-cutting projects within the institution. I learn, I pick things up from my engineering colleagues. The players in our ecosystem join us out of affinity with our values, our model and our future developments. ”

Sonia Bechet
Deputy manager of INSA’s Lyon Gaston Berger Institute (IGB) for social and gender equality

680
administrative staff



“ Thanks to INSA, where I met my friend and partner in my company, where we learned how to drive vintage racing cars. After our Mechanical Engineering degree, our entrepreneurial project took off. Professionals from the world of racing gave us a chance. Today, we offer premium driving experiences which are like a real journey through time. We have stayed very close to our school because that’s where it all started. ”

Julien Chaffard
Graduated in mechanical engineering

64%
of graduates are
recruited before
graduation

89,300
INSA engineers across
the world, including
41,000 from INSA Lyon





We are SPECIALISTS IN

THE GRADUATE-LEVEL CYCLE COMPRISES THREE YEARS OF STUDY OF AN ENGINEERING SPECIALTY. AT INSA LYON, THERE ARE NINE SPECIALTY DEPARTMENTS. ENOUGH TO FIND THE RIGHT ONE?



BIOSCIENCES

Trains managers in the health, agri-food and environmental industries who are the interface between biologists, mathematicians and computer scientists.

KEYWORDS: *Biochemistry and Biotechnology/ Bioinformatics and Modelling*



CIVIL ENGINEERING AND URBAN PLANNING

Trains construction and development managers, experts in environment, infrastructure and engineering structures.

KEYWORDS: *Construction, Geotechnics, Water, Building Physics, Urban Studies*
A dual course in engineering and architecture is possible in partnership with the Lyon School of Architecture (ENSAL).



ELECTRICAL ENGINEERING*

Trains managers in the fields of electronics, electrical engineering, automation, industrial IT and telecommunications.

KEYWORDS: *energy conversion, embedded systems, telecommunications, industrial automation, signal and image processing, electric vehicles, energy distribution networks, energy conversion, embedded systems, telecommunications, industrial automation, signal and image processing, electric vehicles, energy distribution networks*



ENERGY AND ENVIRONMENTAL ENGINEERING

Trains managers so they are able to propose and implement efficient, economical and economically viable energy solutions, while minimizing environmental impacts.

KEYWORDS: *energy production and distribution, building and transport energy, environmental processes*



INDUSTRIAL ENGINEERING

Trains managers who are experts in production, supply and distribution systems for goods and services and who are capable of designing, implementing and managing production systems.

KEYWORDS: *supply chain, continuous improvement, information systems*



MECHANICAL ENGINEERING*

Trains mechanical engineers in innovation, R&D, design and manufacturing design capable of overseeing major products, from idea to product, using tools for modelling and experimentation.

KEYWORDS: *energy, transport, biomedical and health, sports and leisure, packaging*



INFORMATION TECHNOLOGY

Trains managers, project managers, designers/architects and integrators, specialists in the digital society.

KEYWORDS: *design methods, algorithms, languages, operating systems, computer machine components, design and integration, distributed architectures, artificial intelligence, compilation*



MATERIALS SCIENCE AND ENGINEERING

Trains experts in materials proficient in mechanics, electronics, physics and chemistry, processes and durability

KEYWORDS: *materials, structural applications, metals, polymers, ceramics, composites, structural applications.*



TELECOMMUNICATIONS

Trains developers, deployers and administrators of telecommunications systems serving clients and with a forward-looking vision of a constantly evolving field.

KEYWORDS: *digital transformation, transmission technology, networks, computing, data integrity, privacy, digital transformation, transmission technology, data integrity, privacy*

*Specialities offering work/study programs.

THE TRAINING PROGRAM IN A NUTSHELL



FIVE-YEAR ENGINEERING COURSE

PROFESSIONAL
CAREER

PhD

A three-year professional research degree, culminating with the student being awarded the title of Doctor after their viva

or

SPECIALIZED MASTER

One year on one of the 9 specialized master's degree

ENGINEERING MASTER'S LEVEL (MASTER'S DEGREE)

Three years' specialization in one of the departments leading to an ENGINEERING DEGREE [equivalent to Master of Science in Engineering]

RESEARCH MASTER'S DEGREE

Two-year complementary course beside the engineering course, to prepare students for doctoral studies leading to careers in research and higher education

CORE FOUNDATION ENGINEERING PROGRAM

Two years of general scientific and technical education

HIGH SCHOOL

TRAINING

FIND YOUR SPECIALITY

[standard course]

GETTING A DEGREE

FIMI
[Core Foundation
Engineering Program]

30
ECTS PER
SEMESTER

2
YEARS

A course that does not lead to a qualification but which prepares students for the engineering course.

For two years on this undergraduate course, students attend lectures, tutorials and carry out practical work.

The Core Foundation Engineering Program gives students a high-level scientific culture through scientific, technical and humanistic education, essential for any responsible engineer.



OPTIONS

INTERNATIONAL SECTIONS

50% students are from the areas below except for Scan

- **AMERINSA:** core curriculum of the Core Foundation Engineering Program, two compulsory foreign languages, civilization courses, conferences on Europe and Latin America, intercultural, scientific and audiovisual projects, work placement in France.
- **ASINSA:** core curriculum of the Core Foundation Engineering Program, two compulsory foreign languages including Chinese or Japanese, introductory work placement in Asia, specific modules on Asian industrial cultures, scientific, technical or documentary research projects in international teams.
- **EURINSA:** core curriculum of the Core Foundation Engineering Program, two compulsory foreign languages including English, scientific projects in international teams, introductory work placement in a European country.
- **SCAN (English):** core curriculum of the Core Foundation Engineering Program taught 80% in English and 20% in French, modules on Anglo-American civilizations, a two-week stay in a European university.
- **Year Abroad option:** students who have completed their first year of the Core Foundation Engineering Program or AMERINSA may spend all their second year in Brazil, Mexico or Spain.

ART SECTIONS

- **Music, Arts, Dance, Theatre and Cinema:** five different sections in the Core Foundation Engineering Program to combine studies with creative expression.

TOP-LEVEL ATHLETE SECTION

- Provides top-level athletes with the conditions needed to both pursue their sporting career and to prepare their engineering diploma.

<https://www.insa-lyon.fr/en/classical-preparatory-level>



INTERNATIONAL BACHELOR IN AEROSPACE ENGINEERING

30
ECTS PER
SEMESTER

3
YEARS

Three-year course focused on three main areas:

- Mechanics
- Aerospace
- Materials

This program, offered jointly by INSA Lyon, ECAM and the University of Strathclyde (Glasgow, UK), is taught entirely in English and offers a unique opportunity to acquire a solid foundation in the highly sought-after engineering fields of mechanics, materials and aerospace, as well as a first professional experience and the development of an international profile. Students in this Bachelor's degree course can also spend one semester on an exchange in Strathclyde.

<https://www.insa-lyon.fr/fr/formation/international-bachelor>

MASTER'S DEGREE

See specialities in page 8

30
ECTS PER
SEMESTER

3
YEARS

The program is 80% speciality modules and 20% humanities, equivalent to a total of at least 50 hours spent studying one or more languages, philosophy, culture, business knowledge and management. The course also includes an industrial work placement and a research project. If they wish, foreign students can follow weekly French language lessons.



DOUBLE DEGREES

30
ECTS PER
SEMESTER

AT LEAST
2
SEMESTERS

This is an opportunity to study for a double international degree, i.e. the INSA engineering degree plus another awarded by the partner university. It prepares for a successful transition into the working world in both countries. 40 double degrees are available in the third year of INSA Lyon's engineering cycle.

<https://www.insa-lyon.fr/fr/double-diplomes>

RESEARCH MASTER'S DEGREES (INTERNATIONAL MASTER'S OF SCIENCE)

The Master's of Science degree prepares students for doctoral studies leading to careers in research and higher education. There are also two Master's of Science courses at INSA Lyon which are taught entirely in English: one in Acoustics and one in Nanoscale Engineering.

<https://www.insa-lyon.fr/en/cycle-formation/masters-science>



SPECIALIZED MASTER'S DEGREES

75
ECTS

AT LEAST
2
SEMESTERS

This is an internationally recognized diploma open to engineers with five years in higher education and seeking to boost their career and benefit from excellent professional prospects, thanks to expertise in a specific field and contacts in the industrial environment.

Eight specialized master's courses in French are on offer:

- **Information Systems/Telecommunications and Networks**
- **IT security**
- **Environment and Energy Eco-efficiency Manager registered with the RNCP (French National Directory of Professional Certification)**
- **Specialist Manager in Non Destructive Testing Industrial Engineering (joint French/Moroccan degree)**
- **Tunnels and Underground Structures**
- **Technical Director of Live Entertainment**
- **International Energy Management**
- **International Environmental Management (joint French/Chinese degree). This course is taught entirely in English.**

3
YEARS

PHD STUDIES

The research project is conducted in one of INSA Lyon's 23 research centers and covers one of the five societal issues that structure the Institute's research. INSA Lyon has eight doctoral schools split into three main clusters: life sciences, the exact sciences, and human and social sciences.

- Life Sciences

- Interdisciplinary Science and Health
- Evolution, Ecosystems, Microbiology, Modelling

- Exact Sciences

- Materials
- Electronics, Electrical Engineering, Automation
- Mechanical Engineering, Energy, Civil Engineering and Acoustics
- Chemistry, Processes, Environment
- Computing and Mathematics

- Human and Social Sciences

- History, Geography, Town Planning, Urbanism, Archaeology, Political Science, Sociology, Anthropology



TRAINING

FIND YOUR SPECIALITY

[Other possibilities]

NON-DEGREE-SEEKING STUDENTS

EXCHANGE PROGRAM

MAX
30
ECTS

1 SEMESTER
OR
1 YEAR

The exchange program is a chance for foreign students to come and study at INSA Lyon and immerse themselves in French culture in the city of Lyon. They can select their own « à la carte » training program with 60% of their classes in one of our main departments and 40% in a secondary department. Some of the classes are given in English and a summer school and French lessons are available to students who wish to improve their French.

<https://exchange-student.insa-lyon.fr>

French language lessons and induction programs highly recommended

Summer School: 3-5 weeks - 4 ECTS - 85 hours

Winter School: 2 weeks - 2 ECTS - 40 hours

The induction program is an opportunity for foreign students arriving in France on an exchange to pick up the French language quickly and effectively through intensive French lessons before the start of the school year. There is also a range of social and cultural activities to help them settle in and get a chance to explore Lyon. If they wish, students can then continue to learn French with two hours of lessons a week [optional].

<https://fle.insa-lyon.fr>

SHORT COURSES

Open to engineering and sciences students with a scientific background.

INNOV@INSA

A short training program covering the basics of the French language, specific modules on industrial and societal topics, connected devices and management, with cultural immersion. INNOV@INSA starts each year in May.

12
ECTS

4
WEEKS

ENERG'INSA

A short training program which takes place in June/July, covering sustainable energies, energy transition, cross-cultural communication and the basics of the French language with cultural immersion.

2
ECTS

3
WEEKS

ONLINE SCHOOLS ON IOT

The program is held twice a year in November and February. It provides an introduction to the concepts of IoT, data collection and processing, geographical data storage and processing and technical introduction to programming. A program of online cultural activities is also offered.

2
ECTS

2
WEEKS

<https://www.insa-lyon.fr/en/short-programs>



RANKINGS

2021 SHANGHAI RANKING BY SUBJECT

INSA Lyon is one of the world's top 100 institutions in mathematics and mechanics.

2020 QS WORLD UNIVERSITY RANKING BY SUBJECT

INSA Lyon performed among the top 11% in the "Mechanical, Aeronautical and Manufacturing" and "Civil and Structural" rankings ; in the top 22% in the "Engineering & Technology", "Electrical & Electronic", "Material Sciences" and "Computer Science & Information Systems" rankings.

2021 TIMES HIGHER EDUCATION IMPACT RANKING

SDG 10. Reduced Inequalities #101-200

SDG 13. Climate Action #101-200

2020 THE GOLDEN AGE RANKING

Rank #101-150 among the best universities established between 1945 and 1967.

2020 THE WORLD UNIVERSITY RANKING

#601 rank over 1400 considered institutions,

INSA Lyon performed among the top 43%.

2021 QS WORLD UNIVERSITY RANKINGS

#541 rank over 1600 considered institutions,

INSA Lyon performed among the top 34%.

The International Student is the strongest indicator.



INSA AROUND THE World

One of France's leading engineering schools, INSA Lyon is in constant touch with the rest of the world. In addition, international mobility is an imperative for all students. Come and meet students from all walks of life!



28%

international students
welcomed each year



40

double-degree
agreements in
16 countries



200

partner
universities
worldwide.



92

nationalities represented



foreign languages taught
as well as French as a
foreign language





TODAY'S RESEARCH *For tomorrow*

INSA is not just an engineering school. It is also a large research hub with 23 centers. Constantly working with companies and the industrial sector, our centers are specialized in five areas. It is a unique opportunity for our students to obtain a high quality research experience in one of our research centers.

• ENERGY FOR SUSTAINABLE DEVELOPMENT

Directly linked to the policies announced by the French government and the European Union in terms of energy transition, the challenge is to envision the energy landscape of tomorrow.

“Energy for Sustainable Development” is based on research into technological and economic development, and addresses issues of impact, management and cost.

This is structured around 5 main themes:

- Efficient heat and electricity production
- Photovoltaic solar energy
- Networked energy
- Reliability, risk and multi-criteria assessment
- μ -Energy and Nomadic Energy Systems

• ENVIRONMENT: NATURAL, INDUSTRIAL AND URBAN ENVIRONMENTS

Environmental issues arise at every level: products that respect both nature and people, growing urbanization, natural and industrial risks, climate change, and so on. INSA Lyon is required to train its engineering students in technically and economically pragmatic, innovative solutions that are capable of respecting the well-being of people and minimizing environmental impact.

This is structured around 5 main themes:

- Environmentally and health-friendly processes and products
- Management and recovery of polluted materials and waste
- Natural and industrial risks
- Water resources and environments
- Imagining the engineering required for a sustainable environment and a habitable world

• INFORMATION AND THE DIGITAL SOCIETY

Digital technology is a major social issue for anyone involved in information science and technology, and it raises issues such as the digitization or processing of collected data. INSA Lyon researchers and their partners work on all information processing processes, from capturing information to analysing its use once it has been processed, while conducting multidisciplinary research.

This is structured around 4 main themes:

- Ambient intelligence, nomadism and sensors
- Social Interactions, Human/System and System/Human
- Digital content: from signal to semantics
- Extended Enterprise

• GLOBAL HEALTH AND BIOENGINEERING

A health-care system that is efficient at all levels and whose benefits are accessible to all remains a priority for our society today. In response to society's expectation in this respect, putting forward specific solutions is a daily challenge, making progress in multiple areas of global health and bioengineering indispensable. INSA Lyon has taken up this challenge through four areas of expertise: studies on various model organisms, development of new molecules and medical devices, and organization of healthcare systems.

This is structured around 5 main themes:

- Metabolic, cardiovascular and neurological diseases
- Repairing and regenerating the Human Being
- From the connected device to the health system
- Imaging and modelling the living
- Micro-organisms and their interactions with the environment

• TRANSPORT: STRUCTURES, INFRASTRUCTURES AND MOBILITY

INSA Lyon's transport expertise has been developed in partnership with the local and national business network. Today, the stakes are high and manifold for all stakeholders in society, especially when it comes to reducing environmental impact, maintaining the competitiveness of industry, and formulating mobility policies. The challenges for “Transport: structures, infrastructures and Mobility” require strong interaction between several disciplines, and INSA Lyon centers benefit from recognized expertise in the field of engineering, meaning they provide high added value.

This is structured around 5 main themes:

- The lightening and functionalization of materials
- Vehicle architectures
- Infrastructure and communication
- Fleets and transport systems
- Multi-scale modelling

<https://www.insa-lyon.fr/en/research>

INSAVALOR

Forming a bridge between research and companies, INSAVALOR is the R&D, technology transfer and continuous development subsidiary of INSA Lyon. It facilitates relationships between centers and businesses in need of technology solutions, skills and training for their innovative projects.

Its role: to identify the needs of businesses in terms of knowledge, technology and training, and to mobilize scientific teams in order to propose innovative solutions.

INSAVALOR is also involved in hosting innovative companies and supports start-ups.

- €15 million sales revenue
- 150 employees
- 1,200 trainees in continuing education
- 10,000 industrial contracts signed
- 40 innovative companies hosted

For more information:
<https://www.insavalor.fr>

**INTERNATIONAL
RELATIONS OFFICE**

Building Charlotte Perriand
34, avenue des Arts
69621 Villeurbanne CEDEX - France

Tél: + 33 [0]4 72 43 83 91
E-mail: dri@insa-lyon.fr

INSA | INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
LYON



Supported by



La Région
Auvergne-Rhône-Alpes