RENNES 2 UNIVERSITY IN FIGURES

550 RESEARCHERS AND LECTURER-RESEARCHERS
including 11 current or recent members of the French University Institute (IUF)

2 UNIVERSITY RESEARCH SCHOOLS

20 RESEARCH UNITS, including:
- Joint Research Units (UMRs) with the French National Center for Scientific Research (CNRS)
- multi-site Research Units

2 PARTNERSHIPS
- INRIA MimeTIC project team
- UMR CNRS Arènes

500 PHD STUDENTS (one third are international students)
who mainly attend 3 DOCTORAL SCHOOLS
- Arts, Humanities, Languages (ALL)
- Societies, Time, Territories (STT)
- Education, Language, Interactions, Cognition, Clinic (ELICC)

55 THESES
&
6 MEMBERS OF STAFF AWARDED RESEARCH SUPERVISION ACCREDITATION (HDR) in 2020

Over 9,000 complete documents and 28,000 notes deposited on the open access HAL platform

40 INTERNATIONAL SYMPOSIA held every year on campus

3 START-UPS TerraClima Kermap Moovency

LEAD INSTITUTION FOR 7 CURRENT ANR PROJECTS
BEAUVIATECH (Jean-Pierre Beauviala and the Aaton company: audiovisual techniques and their uses, historic, aesthetic and practical modalities) • EGR (Ethnography of guerrilla groups and revolts) • MATS (Statistical Learning for Environmental Time Series) • MOBIKIDS (The role of urban educational cultures in the evolution of children’s daily mobilities and life contexts) • MODURAL (Sustainable mobilities in Latin American metropoles: a comparative study of Bogota in Colombia and Lima in Peru) • PANSER (Southern natural heritage: a small-scale global history) • PERI#WORK (collaborative work spaces as nodes of a new mobility system outside metropolitan France)

LEAD INSTITUTION OF 3 CURRENT EUROPEAN UNION PROJECTS
COST CONVERGES (Creation of a European network for disseminating knowledge on the management of European riparian ecosystems and services) • Creative Europe ARGOS (Exploring different ways of observing and understanding the creative act in the performing arts) • RISE ManaGlobal (Globalized governance and local business practices in Africa and the Arabian Peninsula)
Research Units (RU)

4 Tempora
5 Research Center in Archaeology, Archeosciences, History (CReAAH)
6 Art History and Criticism (HCA)
7 Practice and Theorie of Contemporary Art (PTAC)
8 Arts: Practices and Poetics (APP)
9 Center for the Study of Ancient and Modern Languages and Literature (CELLAM)
10 Linguistics and Language Didactics (LIDILE)
11 Center for Breton and Celtic Research (CRBC) – Rennes
12 English-Speaking Countries: Communities and Writing (ACE)
13 Interlingual Research Center: Memories, Identities, Territories (ERIMIT)
14 Spaces and Societies (ESO)
15 Arènes (Politics, Public Health, Environment, Media)
16 Multilingualism, Representations, Voices of the French-Speaking World, Interculturality, Communication and Sociolinguistics (PREFICS)
17 Interdisciplinary Laboratory for Research on Societal Innovations (LiRIS)
18 Research Center for Educational, Learning and Didactics (CREAD)
19 Psychology Laboratory Cognition, Behaviour and Communication (LP3C)
20 Psychopathology Research (RPpsy)
21 Violences, Innovations, Policies, Socialisation & Sports (VIPS²)
22 Movement, Sport and Health Sciences Laboratory (M2S)
23 MimeTIC
24 Coastline, Environment, Remote Sensing, Geomatics (LETG)
25 Mathematics Institute of Rennes (IRMAR)

26 Scientific Interest Groups (GIS)

28 Networks
Tempora’s field of research can be defined as the history of facts and representations in Western societies from antiquity to the present day. The team is mostly made up of historians who maintain a fresh approach to their work through dialogue with researchers from other human and social sciences fields such as anthropology, political sciences or archaeology. Aware of the contemporary challenges of history, the team strives to actively participate in topical debates: the link between citizenship and secularism, the resurgence of populism and religious extremism, the social effects of the digital revolution and the relationship to natural environments.

**Research Topics**

Effects of scale: from the local to the global. By working at the regional scale (Brittany, in particular) as well as from a transnational approach (in Europe and other continents), and over long periods of time (from antiquity to the 21st century), Tempora pursues three fields of research: identity construction, the relationships between communities and territories, and trade networks and exchanges.

Governing and being governed. Rather than considering States and spiritual governments as unchanging monolithic realities, the Tempora team analyses their evolutions by narrowing the focus down to their shared continuous processes of construction and fracture. This construction of powers is approached from the following angles: States and Churches: institutional machinery and agent, exercise of authority and population control, dissent, rebellion and repression, wars and societies.

Socio-cultural knowledge and practices. Cultures are developing in the reticulate networks of communities, powers, and trade exchanges, and it is important to understand their complexity. The laboratory’s objective is to cross-relate some of the factors in the historical approach that are generally disjointed but underpin the same identities – always plural and often contradictory. These studies focus in particular on learning, writing practices and book cultures, gender, the body, appearances and identities.

**Keywords**

history • government • communities and territories • conflicts • Brittany • identities • culture • citizenship • secularism • Churches • populism • extremism • digital • anthropology • political sciences • archaeology

**Key Figures**

31 lecturer-researchers
17 PhD students
46 associate members

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Tempora has access to the documentary resources of the François-Lebrun Library (18,000 works, oriented towards research in history from the Middle Ages to the present day. • The Scientific Interest Group (GIS) Appearances, the Body and Society, with over fifty members throughout Europe, is run by a Tempora member. • Tempora staff are also involved in two ANR projects: PANSER (Southern natural heritage: a small-scale global history) and ACTEPI (French episcopal acts of the Middle Ages: a multi-media edition and analysis). There is also a Tempora delegation at the French University Institute (IUF). • Each year, Tempora co-organizes History Encounters, an event aimed at the general public held at the Les Champs Libres venue in Rennes.
RESEARCH CENTER IN ARCHAEOLOGY, 
ARCHEOSCIENCES, HISTORY

Director: Marie-Yvane Daire

Rennes 2 Component: The Merlat Laboratory in History and Archaeology (LAHM) • Director: Mario Denti

Created in 1991, CReAAH is an interdisciplinary research unit at the intersection of social sciences, environmental sciences and physical and chemical sciences. Under the supervision of the French National Center for Scientific Research (CNRS), the universities of Rennes 1, Rennes 2, Nantes and Le Mans, the French Ministry of Culture, and with the French National Institute for Preventive Archaeological Research (INRAP) as a partner institution, CReAAH is characterized by its structuring and unifying position in a large north-western quarter of France. Its field of activity revolves around the study of changes in human societies over the very long term, from ancient prehistory to the early modern period, and covers a very broad geographical area. For France, this mostly involves the Atlantic Coast. CReAAH holds a prominent position in the national archaeological and archaeological sciences research landscape.

RESEARCH TOPICS

Archaeology of the sea and coastline: appropriation, uses and management of resources and spaces.
Architecture: elite residences, farmhouses, archaeology of the built environment and 3D restitutions.
Technology, Production, Energy: history of technology and development of societies.
Societies, Cultures, Identities: names, bodies and ranks.
Societies, Environments and Climates: landscape changes, human mobility.
Archaeology of Western France between protohistory and the early modern period: the Iron Age in Western France.

KEY FIGURES

32 lecturer-researchers, 43 researchers (8 CNRS, 8 French Ministry of Culture and 27 INRAP), 34 research engineers, 1 assistant engineer • 14 lecturer-researchers at Rennes 2
15 PhD students registered at Rennes 2, two postdocs assigned to Rennes 2
4 university campuses: Le Mans, Nantes, Rennes 1 and Rennes 2

N.B.
The Methodological research platform is a place for formulating ideas in the fields of experimentation, setting up repositories and databases, development, application and optimization of analytical methods, and modelling.
In terms of international cooperation, major research programmes are being developed in Europe, North and South America, Middle East, Asia and Africa.

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Enhanced by multiple methodological and disciplinary approaches, Art History and Criticism (HCA) creates interactions between a wide range of objects of research (visual arts, architecture, photography, music, archaeology, philosophy of art, literature) and their social, political and cultural contexts, from Antiquity to the 21st century. Through a decompartmentalized approach to research, HCA apprehends the notions of “arts” and “criticism” by exploring fields and corpora that more generally form part of the vast field of cultural history. It constructs a transcultural and interdisciplinary area of debate that takes into account recent theoretical developments such as transnational approaches, visual studies and Bildwissenschaft, history of art and architecture criticism, art anthropology, gender and postcolonial studies.

RESEARCH TOPICS

Criticisms and its objects of research: notions, boundaries, corpus. In an original take on the object of “criticism” that draws from several fields (visual arts, architecture, photography, music, etc.) and intersects several disciplines, the research topic adopts a decompartmentalized and transversal approach that crosses methodologies and compares the histories of forms of criticism to build an innovative field of research on criticism and art criticism and, in fine, to conduct investigations on the historiography of criticism.

Objects, sites and architecture: concepts and heritagization. The second research topic deals with tangible culture and focuses on the phenomena of recognition, transmission, conservation, restoration and enhancement. It questions the political, cultural and social mechanisms at the origin of re-appropriation actions, (re)valorization and re-creation strategies, the project actors and scales, and finally the impact of these actions on their social and cultural environment.

Political History of the Arts. This research topic fits the history of the arts into a paradigm where categories such as “race”, “gender” or “class” – conceived in a non-essentialist manner as historical, political, social and cultural constructions – allow the link between the arts and politics to be rethought.

Interactions: philosophy of art, music, text, image. An intellectual space for intersections and interdisciplinary thought, the fourth research topic is part of a double horizon, that of the hybridization, fringing or fusion of the arts, that of the specificity or radicality of each art. It is intended to be a space for both historical and aesthetic theorization of the relations among the arts and between the arts and thought.

KEYWORDS

art history • art criticism • architecture criticism • visual studies • aesthetics • cultural studies • gender studies • exhibition • performance • urban and industrial heritage • archaeology • postcolonial theories • reproducible image • music

KEY FIGURES

21 lecturer-researchers
35 PhD students
2 postdocs

HCA is associated with the Archives of Art Criticism (ACA) Scientific Interest Group (GIS), with different European projects such as PRISME (acaprisme.hypotheses.org), with the ANR project and international research network Mapping Architectural Criticism (mac.hypotheses.org) as scientific coordinator, with the H2020 project ECHOES (projectechoes.eu), and as a partner in the musicology research programme Ricercar, Corpus of anonymous masses of the 15th century (CESR, University of Tours).

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PTAC observes and examines the profound changes that contemporary art has undergone since the 1950s and 1960s, in its forms and techniques as well as in the relationships it establishes with reality. The team, made up of lecturer-researchers, PhD students and artists, conducts transversal projects in the visual arts, art history, aesthetics, and human and social sciences applied to the arts. The laboratory explores these transformations of the arts by focusing on certain media considered to be particularly indicative of the shifting borders of art territories: the artist’s book, artists’ editions, exhibitions, performance, and design.

RESEARCH TOPICS

Art as production. Changes in the nature and status of the work of art and redefined relationships between artistic practices in the course of the 21st century mean that creation must be understood as a process. New forms have been invented, notably through books. But what are the new issues raised by the dissemination of artistic production that must be confronted by the creators and theoreticians of art?

Art and politics. In the era of globalization, is it conceivable to think that art can hold real critical power and testify to political efficacy? There is little doubt that, be they public or discreet, the most diverse artistic gestures (photography, performance, video, installation, etc.) are now occupying the public space to give it back its strength of resistance in the face of authority. But if this is to be a possibility, what conditions need to be in place?

Art and epistemology. Art researchers take a genuine interest in the human and social sciences, along with other disciplines like mathematics, information and communication sciences and technologies, life sciences, sociology, ecology, political sciences, and psychology. But what methodological contributions and appropriations do these other disciplines bring to the table? What is the future of methodologies developed specifically for carrying out art research or artistic practice?

PTAC focuses on the various implications involved in drawing from other disciplines in order to understand art and its current theories.

KEYWORDS

contemporary art • artistic practice • artist’s editions and artists’ books • design • the body and power • public space • territories • art criticism • writings and speeches by artists

KEY FIGURES

20 lecturer-researchers
24 PhD students

ON THE VILLEJEAN CAMPUS

The Art & Essai gallery is an exhibition and screening space for the contemporary arts scene. Under the direction of the cultural service, the gallery organizes four to five exhibitions a year, with monographic or collective projects by guest curators. The programme is managed by a lecturer-researcher from Rennes 2.

The Cabinet du Livre d’Artiste (artist’s book cabinet), created in 2006, is a multipurpose space for archiving, exhibiting and reading in the arts, with over 4,000 titles freely available for consultation. Dedicated to the phenomenon of the artist’s book, the Cabinet was awarded the CollEx label (outstanding collections for research) in February 2018.

Écrans variables (Variable Screens) are held four times per year at Le Tambour (a 300-seater auditorium). These screenings take an open look at a broad spectrum of moving images, from avant-garde cinema to documentary, video art, and experimental art.

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The three APP laboratories focus primarily on contemporary artistic and cultural creation in its various aspects. They are organized around a main programme with “change” as the common denominator: TECHNES for cinema, Changes 20/21 for music, and Historicity and changes in the creative act for theatre. A synergy exists between activities in several fields of research, for example, TECHNES and Changes 20/21 around new technologies, Changes 20/21 and Historicity and changes in the creative act around the act of creation.

**RESEARCH TOPICS**

By collectively rethinking techniques, history and aesthetics, the members and partners of the TECHNES programme aim to gain more in-depth knowledge of technological changes and their interactions with the theories, aesthetics and practices of cinema. In recent years, most of the laboratory’s work has been dedicated to a programme that questions the changes involved in the transition to digital: Audiovisual techniques and their uses: history, epistemology, aesthetics.

Musical research activities come together around the Changes 20/21 programme, which is particularly interested in the fragmentation that appeared in the 20th century, the effects of which are now becoming increasingly noticeable. The main themes are changes in musical behaviours (creation, performance, listening) and their aesthetic challenges, the impact of new technologies (automation, immersion, interaction), world music in the face of globalization (emergence of new ethnomusicology research objects).

**Historicity and changes in the creative act.** This programme addresses theatre research on the renewal of the creative act and the changes in European artistic practices. This transdisciplinary programme is organized around five ideas: analysing creation processes, archiving these processes, historical and theoretical approaches to cultural and artistic hybridizations, analysing artist discourse, writing the history of time into the field of performing arts.

**N.B.**

A transdisciplinary group of researchers from APP and Psychopathology Research (RPpsy), in collaboration with the Department of Psychoanalysis from University Paris 8, Kairos develops four-year programmes on artistic creation, punctuated with study days, colloquia and collective publications. Since 2010, programmes have included Rehearsal and Creation, The Body and Artistic Creation, and currently Artistic Creation, Crisis and Malaise in Civilization.

The ANR programme BEAUVIATECH aims to problematize, through a historical, epistemological, aesthetic, and socio-professional viewpoint, the place occupied by technology in cinema history and theory. It uses Aaton company archives deposited at the Cinémathèque Française by Jean-Pierre Beauviala, its founder and director from 1971 to 2013.

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**CELLAM** brings together researchers in French, Spanish, Italian, English, German, Arabic, Greek and Latin languages and literatures, as well as in comparative literature, with a strong multidisciplinary and trans-secular perspective. It focuses on the transmission processes that make up the history of written culture, poetic interpretation of texts from a history of reading modes perspective, interactions between literary theory and the humanities, and creative and critical relations between literature and the other arts. In other groups, research is developed specifically in text publishing (Digital Readings and Mediations), late Arthurian literature in Europe (Center for the Study of Medieval Texts, CTEM), Renaissance Poetics (Romanists), the relations between written culture and society in the Hispanic world (Study and Research Group on Written Culture and Society, GRECES), historical and comparative poetics (Phi group), and Ancient Literature (Mouseion).

**Research Topics**
- Literatures and editorial mediations (media, manuscripts, books, digital)
- Poetics and hermeneutics
- Literature and Human Sciences
- Literatures and Arts

**Keywords**
- French literature
- comparative literature
- German, English, Spanish, Italian, Arabic literatures
- ancient literatures
- the Arthurian “subject” from the Middle Ages to the present day
- medieval, modern and contemporary literatures
- francophony
- trans-secularity
- linguistics
- French language study
- text edition
- digital
- gender
- literary theory and criticism
- poetics
- didactics
- literature and politics, history economics, philosophy
- literature and music, painting, cinema
- photo-literature

**N.B.**
Scientific meetings are regularly organized by CELLAM’S different groups: “Meet ups around the classics” (Mouseion group), Seminar on medieval onomastics (CTEM), Seminar “Literary and artistic work” (Romanists group), Seminar “Collections, archives and children’s and youth literature” (GRECES).

Projects in progress: From the imaginary reader to the real reader: analysis of the reception of enriched literary works • Research logs on Louis Guilloux • The collection as an editorial phenomenon (Europe / the Americas, 18th-21st century) • Masculinities • The literary exegesis of ancient texts: lexicon, methods, issues • History and historiography of spiritual literature in Modern Times in France • Literature and didactics: language, literature, experimentation and transmission • Ethics and universalism in the reflection of Arab thought • Philosophy and fiction: from Antiquity to the Renaissance • Literature and Economics: poetics and the representation of crises • Phlit: repository of ancient and contemporary photo-literature • Authority, public space and community: moralist postures.

Three projects were carried out within the framework of the French University Institute (IUF): Music criticism in the 20th century (2011-2016) • Late Arthurian Literature in Europe (2012-2017) • "Literature on Credit". The Contemporary European Novel and the Fiduciary Paradigm (2015-2018).

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LIDILE analyses language activity, description and formalization, in the variety of its modes or fields of application and through the diversity of natural languages. The team has three scientific objectives. (1) To develop well-founded epistemological and methodological expertise in the field of language sciences and its related disciplinary fields (linguistics, cognition and computer science). (2) To create synergy based on common approaches such as language description, discourse analysis and translation studies. (3) To support an approach based on the transfer, application and development of research towards academic training and occupational sectors (processing and exploitation of metadata, language teaching, etc.).

**KEYWORDS**
phonetics • syntax • discourse • oral language • specialist language • corpus linguistics • translation • language engineering• ICTT (Information and Communication Technologies for Teaching) • Foreign Languages Teaching • French Language Teaching (French as a Mother Tongue Language (FLM) / French as a Foreign Language (FLE) / French as a Second Language (FLS)) • multilingual toponomy • LANSAD (Languages for Specialists in other disciplines)

**KEY FIGURES**
23 lecturer-researchers
13 PhD students

**RESEARCH TOPICS**

**Studies of Applied Linguistics** (ELIA) is a structural research topic for all the unit’s activities and addresses the general question of studying language in context. Linguistic anchoring guarantees that scientific activity is coherent and allows research to be transferred for use in language teaching, translation and linguistic engineering.

**Language Teaching and Multimedia** (DiLeM) is a research topic that aims to structure and develop research in language teaching (Arabic, Chinese, English, German, Spanish, French as a Foreign Language (FLE)). The group develops working themes related to the LANSAD (Languages for Specialists in other disciplines) sector and the research work is rooted in applied research and action research.

**Specialized translation, language engineering and terminology** (TRASILT) is a research topic that integrates new issues related to current and foreseeable developments in key areas such as the automatic processing of natural languages, computer-aided writing, controlled languages, and the impact of these developments on the practice of translation and multilingual and multimedia communication.

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With departments on campuses of the universities of Western Brittany (Brest) and Rennes 2, the CRBC is a multidisciplinary laboratory that studies mainly Celtic cultures, languages and identities. It is the only laboratory in France to work on the Celtic area in its entirety, in all its historical depth and in all its dimensions (linguistic, cultural, social, political), all of which contributes to its high level of national and international visibility. The research activities of the CRBC Rennes are carried out within three teams whose different approaches keep enriching the joint scientific project: Breton and Celtic, Irish Studies Center, and Research Team on National Minorities and Ethnicities.

Research Topics

The Policy and Configuration of Identities general programme is divided into two research topics: The dynamics and fluidity of social constructions and The test of the Other: language, transmission, meaning. Identities are questioned as the result of different social, political and cultural practices, and of different discourses and forms of self-expression. This includes the field of literary or artistic creation and the question of language/languages and their forms, uses and evolutions. Identity transformations, fabrications and reconfigurations play out at the interface of practices and their associated discourse, and define the history of human societies. Our three teams are involved in this programme.

The research by the Breton and Celtic team addresses all aspects of Breton and Celtic linguistics (including Old Breton, Middle Breton, comparative grammar, and dialectology), modern and contemporary Breton literature (written and oral literature), and bilingual teaching. This work is regularly presented in various symposia, seminars and study days organized by the team.

The Rennes 2 Irish Studies Working Group came out of the Center for Irish Studies created in 1975. It brings together lecturer-researchers, postdocs, PhD and Master’s students whose research focuses on Irish history, culture and language. It has strong research collaborations with many universities such as Queen’s University Belfast and the National University of Ireland Galway, providing opportunities for young researchers to conduct their research in Ireland. It also supports and encourages co-directed or co-supervised theses.

The Research Team on National Minorities and Ethnicities (ERMINE) studies identity and minority issues according to three perspectives: theoretical, comparative and regional. Monthly seminars are held on the following themes: embracing diversity, observing the world, thinking about contemporary Brittany.

M.B.

Since 2019, Rennes 2 has been hosting the EIRE (Irish Studies: networks and challenges) Scientific Interest Group (GIS). This network federates the research conducted in 22 partner universities in France and Ireland on Irish questions approached from a genuinely interdisciplinary angle (diaspora, migration, economics, human and linguistic rights). The Rennes 2 university library (BU) houses a large collection of Breton and Celtic material with the Brittany and Celtic countries/Breizh ha broioù keltiek space which contains about 15,000 books and 50 open access journals, and a research space called KLASK that includes dissertations, theses, Celtic Studies diplomas, etc. In addition, the BU holds a valued Celtic collection of rare works, some of which have been digitalized and are accessible online.

Keywords

Brittany • Breizh • brezhoneg • Regional languages and civilizations • oral and written literature • comparative grammar • political and institutional history • social history • ethnicity • identity • linguistic ethnology • Ireland • Irish studies • tangible and intangible heritage

Key Figures

2 sites: Brest and Rennes
8 lecturer-researchers at Rennes 2
14 PhD students registered at Rennes 2

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ENGLISH-SPEAKING COUNTRIES: COMMUNITIES AND WRITING

Director: Sylvie Bauer

ACE carries out work in the fields of English Studies, in particular the literature, linguistics and civilization of the English-speaking world. It brings together researchers working in English-speaking areas (Great Britain, Ireland, United States, Canada, Australia, New Zealand, South Africa, India) and in the language/culture nodes specific to each geographical area. Members of the team are specialists in fields as varied as literature, enunciative linguistics, history, history of ideas, history of the arts, philosophy, film studies, cultural studies, etc. Their work focuses on the analysis of cultural, philosophical and societal phenomena, covering both classical and emerging fields such as “popular” cultural and artistic events, gender studies, animal ethics, television series and spirituality. Reality is the current chosen theme and is based on the team’s concern about thinking of the present moment to actively participate in the debates of contemporary society: the future of the human and subjectivity in a digital world, gender issues, political and social issues structuring the world in which we live, the relationship to the environment. ACE is a member of the Institute of the Americas (IDA) Scientific Interest Group (GIS).

KEYWORDS

cultural consumption • challenges and changes in the English-speaking world • memories of war (19th-21st century) • environment, political and social ecology in Great Britain • discourse and ideologies • representations and ideologies in a paperless society • North America • Great Britain • ideology • representation • American and English Literature • political phenomena • British Art • literary criticism • religions • postmodernism • mass culture and popular culture • animal studies

KEY FIGURES

29 lecturer-researchers
6 PhD students

RESEARCH TOPICS

EPIC (Environment, Politics, Identities, Cultures) studies the political and historical phenomena relating to different English-speaking countries. Several recurring themes form the basis of this research topic: cultural consumption, war memoirs, the environment, political and social ecology. Other, more recent approaches focus on gender relations, the place of popular culture and the aesthetics of television series. ACE is part of the Scientific Interest Groups (GIS) (EIRE (Irish Studies: networks and challenges) and the programme GUEST Normandie) that strengthen scientific partnerships in France and abroad.

TELL (Theory, Critical Studies, Linguistics, Literature) brings together researchers whose work focuses more specifically on the theoretical questioning of the contemporary world. It is in this research topic that work on animal ethics is being developed. Similarly, in the network Theorias, some of the research focuses on issues related to spirituality and religion. Research on linguistics is based on action research and also on the analysis of television series. Finally, another theme in this research topic is dematerialization, with a particular focus on posthuman theories.

CONTACTS

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The ERIMIT team is one of the four research teams of the Rennes 2 Faculty of Languages. It brings together 28 researchers from multifaceted linguistic and cultural backgrounds based on the concepts of memories, identities and territories, which maintain the group’s cohesion and coherence. The work of the research unit therefore aims to develop quality work in different disciplinary fields around these three themes, to cross-reference and compare the approaches and social, historical and cultural realities of the geographical areas concerned, in an intercultural perspective that is accepted and enriched by an expertise that comes from mastering linguistic tools and accessing primary sources in the languages of origin. ERIMIT has five components: Chinese Studies; Russian Soviet and post-Soviet Studies; Research Group on Austria and Germany (GRAAL); Language Knowledge and Imagination in the Arab World (LASIMA); Research on Spanish and Portuguese Speaking Spaces (REEHL). The team provides scientific support to the faculty’s different Master’s degree courses in foreign languages and cultures for the areas studied, including three in the dual degree programme with Universidad Autonoma de Madrid (UAM) for the ETILA Master’s degree, Fudan University for the Master’s degree in Chinese Studies, and the University of Fez for the Master’s degree in Arabic studies.

KEY Figures

28 lecturer-researchers
31 PhD students (over a third of whom are co-supervised)

Research Topics

The ERIMIT components work around two themed research topics: Territories of the Imaginary and Imaginaries of Territory and Migrations, transfers, changes. These fields of research are divided into study days, colloquia and seminars – specific to the components or transversal – which contribute to joint deliberations around our specializations: Amerindian otherness and imaginary topology of American space; space as an identity marker (supported by IUF/APOLL-Brésil, CNPG-Brésil, Institute of the Americas, IDA). • Poetics of migration (Spain, Latin America, Maghreb, Eastern Europe). • Conflicts and identities: memory issues (Spain, Eastern bloc, Latin America). • Heritage and representations. • Arts, representation and transmission (‘scholarly’ art in China, street art, change and protest). • Language in the digital age, the word as embodied action: interaction and motivation. • Cultural representations applied to international relations (applied foreign languages).

The team is also involved in international projects (Cancionero, Romancero y Fuentes financed by the Spanish State Research Agency (AEI) and the European Regional Development Fund (ERDF), with Brazil in the project History, Circulation and Analysis of Literary, Linguistic, Artistic and Social Discourses, with Spain for Street art: physical territories, virtual interactions, (UCM), ECOS project with Chile. It regularly welcomes postdocs or researchers from around the world to the Americas Chair of the Institute of the Americas (IDA-Rennes) and within the framework of its international partnerships (Mexico, Argentina, Chile, Brazil, Cuba, Colombia, Tunisia, Spain, Germany, China).

N.B.

The biannual journal Amerika (www.journals.openedition.org/amerika) is a forum for debate on conflicts of interpretation relating to the singularity of the American peoples, in a space with permeable and shifting borders. It is particularly interested in the Americas from the 19th century, but also appreciates the diachronic views that take the present as an anchor point.

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The ESO Joint Research Unit is historically grounded in social geography research. Its scientific activity has, however, continued to develop and enrich itself, always dealing with the spatial dimension of social relations and the study of all forms of inequalities. Researchers from the disciplines represented in ESO-Rennes, such as geography, urban planning, sociology, environmental psychology, territorial economy, demography, etc., focus on some of the central issues of contemporary society and analyse the challenges in terms of inequalities in spaces through which action and power flow.

**RESEARCH TOPICS**

**Productions, differentiations and sharing of space.** How are places and territories made? As regards meanings and values, how are they set in motion and where are they circulating? By combining mechanisms of relegation, spatial segregation and the ongoing peri-urbanization, our work analyses the processes of differentiation of spaces and the evolution of forms of inequality.

**Practices, experiments and representations of space.** How do pathways (educational, criminal, care, life, occupational, residential, migratory) and social provisions influence, or even structure, the spatial practices, representations and mobility of individuals? An approach encompassing surroundings allows us to observe how they emerge and affect people’s experience.

**Spatialized construction of political action: between the ordinary and the institutional.** Everything that participates in the construction of a public space is studied here: public policies, collective actions such as mass rallies, situations of conflict and social interaction in the public space. The objective is to delineate political action, from the most ordinary facts to the most institutionalized policies.

**Theories, interdisciplinarity, methods.** Several areas of methodological expertise are developed at ESO-Rennes (often in partnership with the State, local authorities and the socio-economic world). They include the following: (a) design of systems for collecting and analysing mobility in its broad meaning, involving, for example, the definition of GPS specifications and the use of accelerometers, (b) qualification, using GIS tools, of the urban contexts in which people move, using occupational timetables, implementing commented itineraries, experimenting with in-car interviews and defining methods for collecting urban environments, (c) spatio-temporal analysis of daily mobility in relation to the life cycle of individuals, cognitive maps, (d) biographical surveys, (e) photographic observation.

**N.B.**

**International collaborations** with ESO-Rennes: Quebec (University of Quebec in Montreal, Laval), Latin America (Colombia, Brazil, Mexico), Africa (Mali, Senegal), Near East (Turkey, Syria), Europe (Italy, Romania, Germany). • Three ANR projects led by ESO-Rennes: MOBIKIDS (role of urban educational cultures in the evolution of children’s daily mobilities and life contexts), MIGSAN (Migration and health: health experiences and care trajectories of newly-arrived people in France), PERI#WORK (collaborative work spaces as nodes of a new mobility system outside metropolitan France). ESO-Rennes is also a partner in two ANR projects: MARIS (Management and risk analysis of an invasive plant) and REPESO (Repressing and caring: an empirical study of the health-criminal justice nexus). • Collection of ESO scientific publications: halshs.archives-ouvertes.fr/ESO.

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The laboratory seeks to understand contemporary social and political reconfigurations, by mobilizing the investigative techniques of sociology and public policy analysis, and by exploring the history of groups and institutions. Its federating purpose is improved knowledge of politics through the actors who manufacture it.

The scientific activity is structured into three teams:
- Social and Health Policies. Inequalities and populations;
- Commitment, Politics and the Media;
- Institutions and Scales of Public Action.
And it has four transversal projects:
- Environment, sustainable development and political ecology;
- Ordinary relationships to gender;
- Life stages and transitions;
- Mediatization and framing of public issues.

N.B.
The Unit has a highly internationalized research activity. It reaches out across Europe and the Americas, notably with the unit’s involvement in the Institute of the Americas, Rennes (IDA-Rennes).

Arènes is also involved in the running of three social sciences journals, two of which are internationally oriented: Lien social et Politique (social links and politics), Sur le journalisme (About Journalism) and Mots (words).

Finally, Arènes is a support laboratory for numerous Master’s courses at the Rennes Institute of Political Studies (IEP), the Faculty of Law at Rennes 1, EHESP School of Public Health and Rennes 2, in the fields of public policy, political sciences, public health, journalism and history.

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MULTILINGUALISM, REPRESENTATIONS, VOICES OF THE FRENCH-SPEAKING WORLD, INTERCULTURALITY, COMMUNICATION AND SOCIOLINGUISTICS

Co-Directors: Jean-Luc Bouillon & Gudrun Ledegen

PREFICS is an interdisciplinary Research Unit composed of two internationally oriented teams of researchers working mainly in the fields of information and communication sciences and language sciences (sociolinguistics). The work carried out aims to understand the language and communication dynamics leading to the organization of formal and informal contemporary social spaces: formal, such as States, institutions, associations, local authorities, companies, etc., or more informal such as social groups, social networks, geographical and intercultural spaces.

KEYWORDS
- discourse analysis • organizational communication
- language teaching • discriminations • qualitative epistemology • Francophone countries • identities
- interculturality • French sign language • regional languages (Gallo) • migrations • multilingualism • linguistic policies • collaborative practices • digital practices • occupational practices • organizational processes • management software packages
- organizational streamlining • communication careers • enterprise social networks • information and communication sciences • language sciences (sociolinguistics, sociodidactics) • information and communication digital technologies • territories • urbanities

RESEARCH TOPICS

CERESIF (Center for Sociolinguistic Research on the French-speaking world) studies multilingualism in French-speaking areas: local (sociolinguistic and intercultural dynamics in Brittany and metropolitan Rennes in relation to urban policy), national and international (analysis of social practices and the teaching of French in multilingual contexts: Maghreb, Sub-Saharan Africa, Indian Ocean, South America, Caribbean, Canada, Asia, Europe). Two programmes: Territorialization and discrimination in French-speaking spaces and Discourse, linguistic diversities and digital practices.

CERSIC (Research Center on Information and Communication Sciences) studies the social, organizational and institutional changes associated with the development of digital technologies and the evolution of information and communication practices. New forms of social structuring (networks, etc.), workplace changes (“digital” skills, “collaborative” practices), organizational streamlining, accompanying discourses, in different types of market (industry and services) and non-market activities. Two programmes: Digital Anthropology: social training, sociability regimes and subjectivities and Organizational Communications: reconfigurations, normalizations, rationalizations.

N.B.

PREFICS coordinates the ANR project EGR (Ethnography of guerrilla groups and revolts) and The Encyclopedia of Migrants (www.encyclopedia-des-migrants.eu), continuing in Distress Flares (Fusée de détresse). It is developing the project VASYFRANCO (syntax variation in everyday French in the French-speaking world). Its partners include the Scientific Interest Groups (GIS) IDA-Rennes (Institute of the Americas in Rennes), Marsouin, and LOUSTIC, the research platform on the uses of information and communication technologies.

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INTERDISCIPLINARY LABORATORY FOR RESEARCH ON SOCIETAL INNOVATIONS

Co-Directors: Anne-Laure Le Nadant & Gaël Henaff

It was in the 19th century that the qualifier “societal” first appeared in the United States, but it did not become widespread in Europe until the early 1970s. Societal implies a broader conception of the social, going beyond the sole analysis of the relationships between individuals within a community and expanding its scope to cover what contributes to their well-being and to everything related to their common interests. Societal innovations can be understood on the basis of citizens’ capacity for initiative to rethink institutional frameworks in order to participate in the experimentation and development of new economic, legal, social and entrepreneurial models, which are more inclusive and supportive, more globalized and more heritage oriented. LiRIS aims to contribute to the theoretical and practical debate on societal innovations through a multi- and inter-disciplinary approach based on a technical and critical analysis of the implementation of alternative models and on an experimental approach to social, economic, legal and entrepreneurial innovations at both the local and international scale.

RESEARCH TOPICS

Through two main research topics, Norms, governance and globalization and Norms, vulnerabilities and solidarities, LiRIS members will play a major role in the analysis of “societal innovations”, in particular by responding to three challenges.

Globalization  Contemporary economies and societies and the institutions that govern them are involved in multiple and rapid changes in which their norms, values and principles of governance are being confronted with globalization, with an economic model that some actors challenge and others accept, but not without limitations. In this process, the scales of regulation – local, regional, national and global – are intertwined.

Societal  The evolution of the relationship to normativity and the profound changes in institutions (State, family, market, civil society, etc.) have fostered the emergence of new forms of economic and social organization: development of new forms of entrepreneurship, work and project financing, a proliferation of citizen initiatives, development and/or changes in consumption behaviours (especially pro-social behaviour). This work also opens up to all the vulnerabilities produced or accentuated by these changes, whatever the causes, physical or intellectual aptitudes or capacities, economic, unequally distributed social or family resources, and which the solidarities seek to correct.

Environmental  This challenge is becoming more and more pressing, particularly because of the imperatives of financing climate change. The European Union, with its decarbonization programme for 2050, encouraged by the international financial institutions, has mapped out the path towards a carbon-free world which will involve new behaviours linked to the emergence in particular of renewable energies. However, it is one thing to create a new market for responsible finance, but another to encourage consumers, savers and citizens to take an interest in it. These two approaches are inseparable and require the overlapping skills present in LiRIS, whether in management, law or economics and sociology.

KEY FIGURES

45 lecturer-researchers
34 PhD students

KEYWORDS

societal innovations • globalization • institutions • norms • governance • solidarities • vulnerabilities • exclusion • sustainable development and local policies • work • jobs • alternative finance • consumption • heritage • environment • territories • emerging countries • organizational theory • sociology • political economics • social and solidarity economy • public law • private law • management sciences

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The general objective of the research carried out within CREAD is to understand and explain training, teaching and learning practices and the contexts in which their different actors operate. To this end, theories in the humanities and social sciences are mobilized, in particular the educational sciences, sociology, psychology and didactics. The team’s work is focused on two areas: knowledge practices, particularly within the educational institution, and education and training technologies, i.e. their design, modelling and use in relation to human development.

**RESEARCH TOPICS**

The common issue is to identify the potentially emancipatory dimensions of the systems, tools and practices observed, with a view to guiding and supporting actors in understanding, regulating and even transforming action for the purposes of education and training. Epistemic approaches and specific survey methods are discussed and experimented with in order to harmonize them with the theories and concepts mobilized and the ethical perspectives supported. There are two main research topics.

**Education institutions and practices.** The aim here is to analyse education and training practices by taking institutional and social contexts into account. The socio-didactic approach to the studied phenomena is based, for the didactic part, on joint action theory. The research is divided into two programmes. The first, *Policy, context and actors*, mobilizes frameworks and tools from a sociological approach towards institutions (school, training, etc.). The second, *Knowledge practices, origin and dissemination*, is concerned with the didactic aspects of what is happening within these institutions, and in particular within the actual teaching-learning practices (in the classroom, in training situations, etc.).

**Tools, instruments, activity.** Claiming to have their roots in the enactive epistemology of the relationship to knowledge, two groups study the forms of coupling between the arrangement of technical objects and activities. A first programme, *Experience and Development, Human and Technical Mediation* oriented towards socio-technics, is particularly interested in adult education in various contexts (initial and continuing education, education and the working classes, distance learning, etc.). A second programme, *Educational Technologies, Designs and Uses*, which is more instrumental, studies training environments, the role and functions of learning artefacts and instruments, from the design of tools to their use, including the different "hybridization" effects of training tools.

**N.B.**

CREAD is involved in calls for projects mobilizing numerous lecturer-researchers, research fellows and PhD students, in particular the e-FRAN project (Digital innovation for educational excellence – Digital interactions for education and teaching).

Several projects also involve partnerships with the MSHB Human Sciences Institute in Brittany, Arts and Creation center), (Marsouin) Scientific Interest Groups (GIS), and various institutions in Brittany and Pays de la Loire (Brest, Nantes, Le Mans, etc.) on university pedagogy, video artefacts, didactic approaches or the use of digital technology in education and training.

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**KEYWORDS**

education • training • didactics • teaching • learning • ICTT (Information and Communication Technologies for Teaching)

**KEY FIGURES**

2 sites: Brest and Rennes
47 lecturer-researchers, including 17 at Rennes 2
18 PhD students registered at Rennes 2
PSYCHOLOGY LABORATORY COGNITION, BEHAVIOUR AND COMMUNICATION

Director: Maud Besançon

LP3C research is carried out in the fields of experimental, social, cognitive, differential, ergonomic, developmental and education psychology around several research topics.

KEYWORDS
knowledge about the Self and the Other • beliefs and social representations • social influence and engagement • fundamental cognitive processes • social regulations of performance • digital environment interactions • psychometric development • disability and development disorders • ageing • adaptive testing • educational difficulties • health • education • work • justice

KEY FIGURES
3 sites: Brest, Rennes 2 and Vannes
51 lecturer-researchers, including 36 at Rennes 2
38 PhD students registered at Rennes 2

RESEARCH TOPICS
Social construction of knowledge. The general objective of this research topic is to study how the knowledge, judgements, beliefs, and representations developed by the individual are affected by, or reflect, construction processes of a social nature. Two programmes: Socio-cognitive regulations of knowledge about oneself and others: Beliefs and representations.

Influences and Behaviours. This research topic aims to study the influencing factors that underlie human behaviours. Two programmes: Interactional, non-verbal and environmental influence; Voluntary commitment and submission procedures.

Performance, socio-performance and learning. The objective of this research topic is to understand the fundamental cognitive processes, psycho-social and affective-motivational processes that regulate performance in the professional, educational and training fields, and interactions between humans in digital and socio-technical environments. Three programmes: Basic approaches to cognitive processes and their development; Social and affective-motivational regulations of performances; Interactions in digital and socio-technical environments.

Variabilities, assessment, remediation. This research topic aims to develop knowledge of the inter- and intra-individual variability of human behaviour in different thematic fields (cognitive, social, motor) and leads to the development of assessment tools and remediation programmes. Four programmes: Psychometric development of measurement tools; Disabilities, developmental disorders and ageing; Adaptive testing of individual transversal skills; Major educational difficulties and learning disabilities.

N.B.
Programme ACTIF (Learning and Collaboration on tablets, interactions and feedback – AAP e-FRAN, Investments in the Future programme). • H2020 Programme – Health ZIKAlliance (A global alliance for Zika virus control and prevention). • ProFAN programme (Responding to the needs of new employment skills in the digital society — Investments in the Future programme). • SHERPAM programme (Sensors for health recording and physical activity monitoring — LabEx CominLabs).

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The Psychopathology Research Laboratory is composed of lecturer-researchers in psychopathology with a psychoanalytical orientation, and hosts professional associate members from institutions with which work is carried out in the medical, medico-social, educational and judicial fields guided by the subject’s clinic. The research, of which a large part involves international cooperation (South America, Europe, Russia, North Africa, Asia), adopts a singular approach to the case in a psychoanalytical orientation, mostly Lacanian. The laboratory publishes at a steady pace and many of the published works are authoritative.

**RESEARCH TOPICS**

Multisite, RPpsy has offices in Rennes 2 (main institution), Poitiers, Brest and UCO Angers. It has five specific components with transversal research topics, thus fostering a community of projects and research. The work of the first Rennes component, **Subjective logic** and new forms of symptoms, is spread over a broad spectrum and questions modern manifestations of symptoms. The issue of positioning the subject in the contemporary social bond is addressed and new solutions are studied, in connection to what society is offering. The second component, **Specific fields** and practices, studies the effect that a discourse can produce on a subject’s responses. Starting from the body and its pleasures, and from responses that society allows, which are embodied in specific discourses, we question the responses of the medical, socio-educational or judicial environment. Religious discourse and its contemporary impacts are also questioned, for example in the context of radicalization.

**KEYWORDS**

psychopathology • clinical and therapeutic tools • new symptoms and diseases in civilization • child and adolescent psychopathology • criminology and interdisciplinarity in humanities • models and epistemology in clinical humanities

**KEY FIGURES**

4 sites: Angers, Brest, Poitiers, Rennes
33 lecturer-researchers, including 13 at Rennes 2
48 PhD students registered at Rennes 2

**N.B.**

RPpsy organizes large-scale scientific events that bring together on average 650 participants. Previous events have dealt with fanaticism (2016), limitations (2017) and “Politics of the face: aesthetic fanaticism and the ethical gaze” (2018).

A long-running collaboration links the team Arts: Practices and Poetics (APP) and RPpsy through the art-psychoanalysis link. This collaboration, which has resulted in various productions and events, was the occasion for our researchers (grouped under the title KAIROS) to participate in the national PANDORA consortium.

Similarly, our team is a member of the national research network **Racism and Antisemitism Network**, which aims to study new forms of xenophobic extremism.

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The VIPS² laboratory has been recognized in several areas of excellence. Aspects relating to education through sport, representations, the legacy of sporting events, policies, sport tourism and innovation are particularly valorized. It is for this reason that our research is mainly organized around two themes that mobilize history, sociology, management sciences, legal sciences and social psychology in a multidisciplinary manner.

**KEYWORDS**

history • sociology • psychology • law • management • society • social groups • territory • development • innovation • politics • education • integration • health • heritage • events • gender • generation • cultures • vulnerabilities • discrimination • sports • leisure • tourism • violence

**KEY FIGURES**

2 sites: Le Mans and Rennes
21 lecturer-researchers, including 16 at Rennes 2
11 PhD students registered at Rennes 2

**RESEARCH TOPICS**

**Socialization and mediatization.** First of all, the processes of education and the dynamics of social integration through physical activities (sport, leisure, etc.) are questioned. What is the take away for young people, adults and senior citizens involved in sports education programmes (in schools, associations, etc.)? What do they really learn and possibly transfer to other domains? What does sport contribute to general causes of interest such as citizenship, social development, etc.? Secondly, some of VIPS²’s research focuses on the influence of belief and value systems inherent in sports cultures, their logics and mechanisms of inclusion, exclusion, disqualification and/or disaffiliation. Finally, attention is drawn to the representations attached to the activities that can lead to any form of bodily action (engagement/disengagement, risk taking/risk prevention, etc.). This dimension is studied in particular through a media discourse analysis leading to the development of different forms of affinity. Stigmatized, marginalized or heroized individuals present profiles and trajectories that provide an insight into the role of sport in our contemporary societies.

**Policies and innovations.** This research topic analyses, on the one hand, public policies regulating and organizing sport, through subjects as varied as sports tourism, integration through sport, health, sports events, etc. How can a policy dimension take shape in the relations between actors, in an increasingly complex system of sport governance, in particular between the public and private spheres? However, the project goes beyond the classic analysis of public action in sport and takes into account new areas of reflection, or even political decisions, such as participatory debates, think tanks, or corporate social responsibility. On the other hand, innovation in sport is studied for the purposes of identifying social change. How are sports innovations formed (creation of sports, new tools, new techniques, new mechanisms for social intervention through sport, etc.) and how do they generate controversy? Because sport has become a major factor of social innovation – along with the development of innovation management in sport enterprises – it is important to examine the political and social consequences of this state of affairs.

**N.B.**

Partnerships with the French Ministry of Sport, local authorities, PLAY International, etc. • Projects funded by the Fondation de France, Erasmus+ Sport programme – European Commission, the French National Cancer Institute (INCa), etc.

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The main objective of M2S is to explore the effects of physical activity on human health and sports performance. The Research Unit is particularly interested in understanding the pathophysiology of physical inactivity and the potential effects of physical activity on the development of cancer and diabetes. It also studies physical activity in terms of sports performance where the prevention of pathological risks and the optimization of training procedures – involving new technological tools (e.g. virtual reality) – are major issues. The results of this research are intended to improve athletic performance while preserving athletes’ physical integrity. With this dual goal, the M2S laboratory adopts a multidisciplinary approach based on tools and methodology derived from cell biology, physiology, biomechanics and computer science.

**Research Topics**

M2S aims to study physical activity and sport from a life science perspective. The purpose of the research carried out is to gain a better understanding of the mechanisms of human adaptation to exercise using innovative tools and methods based on a physiological and biomechanical approach. This scientific theme is divided into two research topics: **Sport and Health** and **Sport and Performance**.

The objective of the Sport and Health research topic is to understand, through a translational approach combining clinical and experimental studies, how inactivity and physical activity impact health to: (1) prevent the development of chronic pathologies linked to physical inactivity, and (2) optimize the management of chronic pathologies (cancer, metabolic diseases, arteriopathy, motor pathologies) through adapted physical activities.

The Sport and Performance research topic addresses the relationship between physical activity and health from a sport performance perspective. The main objective of this research topic is to identify and model the physiological and biomechanical criteria allowing the athlete to combine both the optimization of their training process and the maintaining of their physical integrity. It is divided into three main research themes: (1) quantification of physical activity, (2) training load, (3) material and environment interactions.

**Keywords**

- physiology of exercise
- biomechanics
- hormones
- oxidative stress
- simulation
- virtual reality

**Key Figures**

- 19 lecturer-researchers
- 3 engineers
- 20 PhD students registered at Rennes 2

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MIME\-TIC

Director: Franck Multon

A contraction of “mimetism” and “TIC” (French acronym for ICT), MimeTIC deals with the analysis, modelling and simulation of human movement. MimeTIC is a multidisciplinary team created in 2011 from the association of lecturer-researchers of the laboratories M2S (Movement, Sport and Health Sciences Laboratory) and IRISA (Institute for Research in Computer Science and Random Systems, UMR 6074), and researchers from INRIA (the French National Institute for Research in Digital Science and Technology) from the Rennes-Bretagne Atlantique INRIA Center. The team was renewed in 2014, and in 2018 it was assessed for a new four-year partnership with INRIA. It is supervised by Rennes 2 and Rennes 1 Universities, ENS Rennes and INRIA. The main original feature of MimeTIC is to approach human movement from two complementary points of view: analysis and simulation. In this way, MimeTIC makes it possible to scientifically unlock motion analysis through its skills in simulation, while analysis provides simulation with fundamental knowledge, and vice versa. This methodological approach to virtual reality involving motor skills and interactions is now internationally recognized.

RESEARCH TOPICS

Movement Analysis: to propose new ways of measuring movement ecologically, to introduce configurable and customizable musculoskeletal models, as well as efficient and robust analysis methods for noisy or incomplete field data.

Simulation of Autonomous Virtual Humans: to use the knowledge acquired from motion analysis to propose new methods for simulating autonomous virtual humans capable of perceiving their environment, deciding on courses of action and controlling their movements in a physical environment. To propose a user-centred approach to the design of autonomous virtual humans using original user perception protocols.

Physical Activity and Virtual Reality: to take advantage of the latest innovations in motion analysis and simulation to make virtual and real humans interact in collaborative or competitive tasks. To propose innovative protocols for analysing interactions between individuals using virtual reality, and to study their limitations (influence of technological solutions on embodiment, presence, motivation, skills transfer, etc.).

KEYWORDS

movement analysis • virtual human simulation • biomechanics • virtual reality • motion design • motion capture • virtual cinematography • sport • ergonomics • health • video games

KEY FIGURES

12 lecturer-researchers
8 engineers and postdocs on contract
20 PhD students
2 sites: the M2S laboratory hosted by ENS on the Ker Lann campus & the UMR IRISA Joint Research Unit on the Beaulieu campus.

N.B.

The MimeTIC team runs the platforms Immersia (in virtual reality at IRISA) and Immermove (in motion analysis and virtual reality at M2S) grouped under the name ImmerStar. • The team is directly involved in three ANR projects: HoBiS (Bipedalism of Homininae: analysis of the bipedal walk of Hominins by specimen-specific functional morphology), an international collaboration research project (PRCI); Per2 (Perception-based Personalization of Human Movement), an individual research project coordinated by young researchers (JCJC); CineViz (Preview Technologies for the Film Industry), a collaborative research project with industry (PRCE); SCHEDAR (Safeguarding the Cultural Heritage of Dance through Augmented Reality), a H2020 Joint Programming Initiative on Cultural Heritage (JPI-CH); several industrial projects (including two CIFRE theses with Technicolor and Faurecia) and INRIA-funded collaborative projects.

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Coastline, Environment, Remote Sensing, Geomatics
UMR 6554 (CNRS) LETG

Director: Françoise Gourmelon • Rennes 2 Component: LETG Rennes • Director: Samuel Corgne

LETG is a Joint Research Unit under the supervision of the French National Center for Scientific Research (CNRS), the Research and Higher Education Institution (EPHE) and the universities of Angers, Brest, Caen, Nantes and Rennes 2. Its scientific field is environmental geography. Thanks to its expertise in human geography, physical geography and geomatics, LETG’s scientific programme seeks to contribute to knowledge on the interactions between nature and society by focusing on the study of natural and anthropogenic dynamic processes through two approaches: changes of use, conflicts and territorial changes at the sea/land interface, environmental and anthropogenic forcing on the dynamics of vulnerable environments.

RESEARCH TOPICS
The LETG project is in line with the outlook of the CNRS Institute of Ecology and Environment (INEE) by focusing on several research priorities of societal interest relating to the functioning and evolution of coastal and continental systems in connection with different types of dynamics, whether these be the consequences of climatic hazards on bio- and abiotic environments and on humans and their activities, or the contribution of new mechanisms to environmental governance.

A wide range of spatial scales (from local to global) and temporal scales (some real time data located at the Holocene to take into account changes over the long term, and in the future through prospective scenario building) is mobilized in scientific themes by relying on the various contributions of the digital processing of geographic information (image processing, spatial analysis, modelling-simulation).

Systemic, spatial and temporal: this triple input is organized on the basis of modelling and prospective approaches, implementing methods and tools for data acquisition, analysis, representation and dissemination, which are then reflexively and critically analysed for their effective contribution, in particular regarding societal issues in the digital humanities.

KEYWORDS
environment • coastline • climatology • remote sensing • geomatics • landscapes • ecosystemic services • modelling • spatial dynamics

KEY FIGURES
58 lecturer-researchers and 12 CNRS researchers • 11 lecturer-researchers, 5 CNRS researchers and 2 research engineers at Rennes 2
11 PhD students registered at Rennes 2

N.B.
LETG members are involved in the following projects: EU Framework Programme – COST CONVERGES (Knowledge conversion for enhancing management of European riparian ecosystems and services, 2017-2021); LIFE-Europe ADVICLIM (High-resolution observation of adaptation and mitigation scenarios for viticulture, 2014-2020); ANR MATS (Statistical Learning for Environmental Time Series, 2018-2022); ANR ATCHA (Supporting Adaptation of Irrigated Agriculture to Climate Change, 2017-2021); ANR TRASSE (Trajectories of socio-ecosystems in Latin American watersheds, 2018-2021); CiCIAMEn (Cities, climate and vegetation: modelling and environmental public policies, CAPES-COFECUB, 2019-2022).

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IRMAR is one of the ten largest mathematical laboratories in France. It covers a wide range of topics, from the most fundamental to the most applied. Multi-site and multi-supervised, it brings together the majority of mathematics professionals in the Rennes region. It includes mathematicians from the Universities of Rennes 1 and Rennes 2, the French National Center for Scientific Research (CNRS), ENS Rennes, the National Institute of Applied Sciences (INSA) (the supervisors), teams from Agrocampus, the Directorate General for Armament (DGA Information Superiority, French Ministry of the Armed Forces), Graduate School for Statistics and Data Science (ENSAI). It also hosts three teams from the French National Institute for Research in Digital Science and Technology (INRIA).

**Research Topics**

The statisticians of the Rennes 2 component for the Mathematics Research Institute, Rennes (IRMAR) form a team of a dozen lecturer-researchers whose research topics range from applied statistics to mathematical statistics, with the following main themes: non-parametric statistics, statistical learning, statistical processes, multivariate statistical analysis. IRMAR regularly publishes in international journals, and is involved in the organization of working groups, seminars, symposia and study days such as the STAR Days or the recent DYNSTOCH colloquium. It has developed national and international research collaborations (notably in the United States, United Kingdom, Poland and Germany) in its discipline and in other disciplines such as medicine, genomics, neurosciences, economics and geography, and also interacts with industry.

**M.A.**

IRMAR is co-founder and partner of the LabEx Center Henri Lebesgue and heavily invested in the Annales Henri Lebesgue, a new non-profit generalist mathematics journal created in 2017. The IRMAR Library, a fundamental tool in mathematical research, is particularly well stocked with a sizeable documentary collection of 30,500 books and access to 295 revues. It also attracts researchers from beyond IRMAR’s scope (other regional bodies or laboratories that work interactively with mathematics).

IRMAR members publish several hundred research articles each year. Several of them are also authors of books and reference books. This significant scientific activity is what has built the laboratory’s solid international reputation, which in reality means hosting about forty colleagues from foreign universities each year for a length of time that varies from two weeks to two months, and organizing many congresses and various encounters and meet-ups. This reputation means that IRMAR hosts several foreign postdocs every year and regularly recruits new permanent members internationally.

**Keywords**

digital analysis • probabilities • statistics • mathematical modelling and simulation • robotics • cybersecurity • mechanics

**Key Figures**

102 lecturer-researchers, 14 CNRS researchers and 67 PhD students • 12 lecturer-researchers at Rennes 2
15 weekly seminars
1 monthly colloquium

**N.B.**

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**Contact**

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This organizational form was created in 1996. Attached to an institution, the GISs facilitate collaboration between several academic or non-academic institutions around a theme or a scientific competence. Rennes 2 University is the lead institution of five Scientific Interest Groups (GISs) and partner for around twenty, including: the national GISs Gender Institute, Institute of the Americas, at the local level with GIS Brittany Remote Sensing (BreTel), Europe, Center for scientific resources and expertise on water management in Brittany (CRESEB) or Marsouin (Armoricant Rudimentary Research on the information society and uses of the internet).

**Scientific Interest Groups (GIS)**

**Scientific Interest Group (GIS) Rennes Planning and Urbanism Institute**

Chair: Guy Baudelle • Director: Jean-Pascal Josselin

The GIS IAUR was created in February 2012. In the fields of urban planning, development, architecture, housing and construction, it federates the activities of its member institutions: Rennes 2 University (leader of the Scientific Interest Group, GIS), Sciences Po Rennes (Institute of Political Studies, IEP), the National School of Architecture of Brittany (INSAB), the National Institute of Applied Sciences (INSA) and Rennes 1 University.

Through the IAUR, institutions carefully construct exchanges and collaborations with the aim of inter-institution co-production of educational, scientific, technological and social innovations. These are mostly project-based and in connection with the local areas, and mobilize students, lecturer-researchers, elected officials, economic and social stakeholders, and volunteer citizens. Its projects are by definition transdisciplinary (sociology, geography, architecture, engineering sciences, earth sciences, legal, economic and management sciences, visual arts, etc.) and cross-reference academic and local stakeholder knowledge. The IAUR aims to mobilize a wide network of academic, institutional and professional partners around societal and territorial challenges, at the regional, national and international level, in particular by being an active member of the APERAU (Association for the Promotion of Teaching and Research in Urban Planning and Development).

**Irish Studies: Networks and Challenges**

Chair of the Scientific Committee: Fiona McCann • Chair of the Steering Committee: Sylvie Mikowski • Director: Anne Goarzin

The creation of the Scientific Interest Group (GIS) Irish Studies: networks and challenges (EIRE) is an initiative of the French Society of Irish Studies (SOFEIR). Inaugurated in Paris in January 2019 in the presence of Patricia O’Brien, Ambassador of Ireland to France, it currently has 50 individual members and 22 university partners, including two foreign universities (Dublin and Belfast). EIRE enables researchers from different disciplines whose research is related to Ireland to form a scientific network around common issues. It sets out to design and finance ambitious, targeted and innovative research projects on an international scale. The work will focus on two research topics:

A. The Irish diaspora: economic aspects, migration, integration. Co-leaders: Anne Groutel (University Paris 1 Panthéon-Sorbonne) and Grainne O’Keeffe (Rennes 2 University).

B. Human Rights and Democracy: what are the Irish models? Co-leaders: Karin Fischer (University of Orleans) and Nathalie Sebbane (University Paris 3 Sorbonne Nouvelle).

Three Rennes 2 Research Units are currently involved in EIRE: the Center for Breton and Celtic Research (CRBC), the Interdisciplinary Laboratory of research in societal innovations (LIRIS) and English-Speaking Countries: Communities and Writing (ACE).

The EIRE Scientific Interest Group (GIS) has secured funding from the Ministry for Diaspora and International Development as part of its Global Irish strategy for the 2019-2021 period. It is hosted by the Research Unit of the Faculty of Languages at Rennes 2 University and directed by Anne Goarzin, Professor of Irish Literature and Culture at Rennes 2 University. Fiona McCann, professor at the University of Lille and member of the French University Institute (IUF), is president of the Scientific Council. Sylvie Mikowski, professor at the University of Reims, is president of the steering committee.

[sofeir.fr/en](http://sofeir.fr/en)

**Rennes Planning and Urbanism Institute**

Chair: Guy Baudelle • Director: Jean-Pascal Josselin

The GIS IAUR was created in February 2012. In the fields of urban planning, development, architecture, housing and construction, it federates the activities of its member institutions: Rennes 2 University (leader of the Scientific Interest Group, GIS), Sciences Po Rennes (Institute of Political Studies, IEP), the National School of Architecture of Brittany (INSAB), the National Institute of Applied Sciences (INSA) and Rennes 1 University.

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[iaur.fr](http://iaur.fr)
**Appearance, the Body and Society**

Director: Jean-Pierre Lethuillier

The GIS Acorso is hosted by the Tempora team of Rennes 2 University. At the heart of its project is reflection on identity construction, in the broadest sense of the term, and on the role that individual and collective appearances have played over the last five centuries, and continue to play today. It develops this reflection from the issues that lie at the intersection of the history of tangible culture and techniques, the body and gender. Its activity is highly multidisciplinary, in particular associating history, ethnography, sociology, art sciences and communication sciences.

It brings sources closer by questioning, alongside texts or images, the objects kept in museums or private collections, and their materiality. One of its fundamental characteristics is its close collaboration between academic research centers and museums. The GIS connects researchers from several continents, including Europe and America, and is comprised of some forty institutional partners. It is attentive to the diversity of societal issues involving appearances and identities, as well as the diversity of methods and approaches.

The website gis-acorso.com provides information on the GIS’s activity and aims to develop information that is constantly updated on research programmes, scientific events, publications and grey literature. It is a gateway between researchers and provides guidance on how to put together research projects.

The GIS also publishes the digital journal *Apparence(s)*, created in 2007 and hosted at Rennes 2 since 2019. The objective is to very quickly arrive at two annual editions, in French and English, to work on research dossiers that are of interest to the GIS in a comparative perspective, through a scientific committee that is spread across Europe.


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**Archives of Art Criticism**

Chair: Jean-Marc Poinsot • Director: Antje Kramer-Mallordy

With 89 archival collections, 449 writing collections, and over 100,000 books, the Archives of Art Criticism is a unique international resource center. Its mission is to collect, preserve and promote writings, documents and archives of active art critics since the mid-20th century. They shed light on the place of criticism in debates on art and contemporary society. Eminent figures of art criticism in France, Pierre Restany, Michel Ragon and Frank Popper have supported the project from the outset by donating a significant part of their personal archives such as notes, typescripts, correspondence with artists, photographs, videos, and sound recordings.

Three institutions have come together as a GIS to manage the Archives: Rennes 2 University, the National Institute of Art History (INHA) and the International Association of Art Critics (AICA). The collection of written and archival collections is accompanied by document management, the establishment of scientific research programmes, the hosting of researchers and students from all over the world, and the promotion of these collections through events such as symposia and exhibitions organized in partnership with other institutions and cultural actors. ACA also ensures a continuous cultural activity through public meetings, debates and publications on contemporary art. From this point of view, the publication of *Critique d’art*, a journal on the international current events of critical literature on contemporary art, is considered to be a professional tool developed in collaboration with the major actors of criticism and theory on the art of the 20th and 21st centuries.

[archivesdelacritiquedart.org](http://archivesdelacritiquedart.org)
INSTITUTE OF THE AMERICAS, RENNES

Chair: Jimena Obregón Iturra • General Secretary: Luc Capdevila

The Institute of the Americas, Rennes (IDA-Rennes) was established in 2003 and became a scientific interest group (GIS) in 2006. It brings together lecturer-researchers and researchers working on the Americas (North and South) and from different departments on the Rennes University site: Rennes 2, Sciences Po Rennes (Institute of Political Studies, IEP), Rennes 1 Agrocampus Ouest, and EHESP School of Public Health. It became a Human Sciences Institute in Brittany (MSHB) research platform in 2010.

The objective of Institute of the Americas in Rennes (IDA-Rennes) is to federate all research, teaching (mainly Master’s courses and PhDs) or cooperation activities relating to spaces, societies and cultures in the Americas, in Rennes and in Brittany, but also in connection with external scientific partners, in France (within the IDA framework) or abroad. The innovative aspect of IDA-Rennes is based on the one hand on the cross-cutting nature of its disciplinary and institutional operations, and on the other hand on the thematic perspective of the links that can unite or divide “the” Americas.

In addition to the teaching and research activities of its members, IDA-Rennes’ activities focus on various multidisciplinary and inter-institutional initiatives: international Master’s degree in the Americas, a chair of visiting professors, annual research seminars, and various forms of pooling and promoting the work carried out on the Americas that include seminars, jointly-designed teaching, documentary series, collective research projects, public courses, and symposiums.

Rennes 2 University created the Chair of the Americas in 2003 and entrusted its scientific management to the Institute of the Americas in Rennes. A hundred or so researchers have thus been able to come and work in Rennes for one or more months and this has gradually created a unique university network that has made Rennes into an internationally recognized center for trans-American studies.

IDA-Rennes is a partner of the Institute of the Americas, a national project created as a GIS in 2007 that currently brings together some sixty higher education and research institutions.

idarrennes.hypotheses.org

NETWORKS

FRENCH LANGUAGE AND FRANCOPHONE EXPRESSIONS

French Coordination: Philippe Blanchet • Algerian Coordination: Hajj Miliani

The Franco-Algerian research and doctoral training network on the French language and francophone expressions was created in 2012 and renewed for the 2015 and 2017 period (until 2021) by an intergovernmental agreement. Its mission is scientific contribution, and the institutional and pedagogical implementation of Franco-Algerian academic cooperation on the subject of the French language in Algeria. This network follows on from the Algerian-French Doctoral School of French (EDAF) that was set up through a priority cooperation agreement for 2004-2011 to boost the potential of Algerian lecturer-researchers in French.

LaFEF (French language and francophone expressions) brings together some fifty research units in the two countries, in addition to EDAF that continues to provide doctoral support in many Algerian universities. It is coordinated by a bilateral Scientific Committee and two designated coordinators from each country. LaFEF has an annual budget of €250,000 to €350,000 in both countries and employs three design engineers based in Rennes 2. PREFICS of Rennes 2 University has been the leader and operator for the French part since its creation.

This network contributes to the training of young academics in research and through research by promoting co-directorship, co-supervision of theses and shared research programmes in the fields of French language teaching, the study of francophone literature, and language sciences. It accompanies scientific publications, the organization of scientific events, and the continuation and development of research collaborations established between Algerian and French university teams.

lafef.net
MINORITY LANGUAGES AND CULTURES

Co-directors: Erwan Hupel (Rennes 2) & Martine Berthelot (UPVD)

The Inter-University Study Group (GIE) Minority Languages and Cultures was created in March 2019 on the initiative of the Breton and Celtic Department of Rennes 2 University. Its purpose is to federate and boost research and teaching activities on minority languages and cultures. Its aim, therefore, is to promote French and international partnerships and to encourage cooperation between researchers (who are too often isolated) around three fields: literature, languages and language learning, and translation studies, cultures and plural identities.

The GIE currently brings together 15 lecturer-researchers spread over four universities: Bordeaux-Montaigne, Rennes 2, University of Pau and the Pays de l’Adour (UPPA), University of Perpignan Via Domitia (UPVD). Four minority language areas are studied: Basque, Breton, Catalan and Occitan. The first research programme on minority language literatures extended this cooperation to other universities in France (University of Clermont Auvergne, University of Corsica, University of Poitiers, etc.) and abroad (Humboldt-Universität, Berlin, UC Louvain University, Université Sainte-Anne, Canada, etc.).

The publishing of the GIE’s research is ensured by the Éditions TIR, hosted by the Breton and Celtic Department of Rennes 2 University.

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NETWORK AGAINST RACISM AND ANTI-SEMITISM

The Network against Racism and Anti-Semitism (RRA) brings together, under a contractual framework, research units attached to different institutional partners (universities, French National Center for Scientific Research (CNRS), associations, public or private institutions). This federative structure, through the decompartmentalization of disciplines and the development of multidisciplinarity, will contribute to the emergence of new research projects. Its main objectives are bringing together research units, laboratories and institutional partners around a common scientific strategy. It forms inter-university and multidisciplinary research teams that study specific themes in order to respond to calls for tenders, action-research, European projects, etc. The aim is therefore to pool expertise between disciplines, and to strengthen collaborations between the various constituent units to give their work more visibility and to promote scientific activities and training; dissemination of information and a scientific overview of the data related to these issues.

Main missions

• To establish relations with institutions and associations that, through their activities, exercise civic missions.
• To offer a dynamic research structure to the racism and the anti-Semitism and the secularism referents of the French Ministry of Education, Higher Education and Research.
• To constitute a pool of authentic academic experts to meet the various information and training needs in public services and civil society.
• To organize a working seminar for each team to present their work, as well as a biennial colloquium in the network member universities or institutions.

Through RRA, its partner universities would be eligible to apply for the Diversity Label by AFNOR Certification.

In 2019, the Academic Council gave Rennes 2 approval to join this network, which already includes a number of lecturer-researchers from our institution.

PHOTO CREDITS
