



**CENTRE DE RECHERCHE EN EDUCATION DE NANTES (CREN-Le Mans) - Équipe d'Accueil 2661**  
**NANTES RESEARCH CENTRE IN EDUCATION (CREN-Le Mans) - Research group 2661**

*Universities of Le Mans and Nantes, ESPE Pays de la Loire*

The CREN-Le Mans site brings together language science researchers specialising in the teaching of languages, French as a foreign language, in sociolinguistics, IT, educational sciences, and in information and communication sciences. The researchers are involved in research topics related to educational innovation, whether digital or not: appropriation, dissemination and analysis of new training mechanisms in support of approaches relating to bi-multilingual education.



**28 people** including  
17 researchers and teachers-researchers | 15 at Le Mans et 2 at Laval  
1 Emeritus professor  
9 doctoral students  
1 administrative and technical staff"



**Partnerships**  
Collaborations with companies: ST Microelectronics, SOA/SARP, AFaLaC, etc.



The members of the laboratory have developed important relationships with the parties involved with National Education, including within the framework of the Bac-3 / Bac +3 liaison programme.

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## Two research themes at Le Mans and Laval

The research carried out within CREN-Le Mans is developed around the cross-curricular issue of innovation in education and in the teaching of languages, in accordance with the two topics associated with the structuring of the CREN laboratory:

### Design of training and information via digital

#### Appropriation of publicised training strategies and devices

The work focuses on information and communication technologies for education and training, instrumental genesis, the study of uses and the mediation of knowledge. The research addresses the analysis of existing devices or on the design, development and implementation of digital devices for a variety of audiences and training contexts: digital environments in middle schools and lycées, educational uses of digital tablets, tutoring interfaces, tactile media for those with autism, software agents. They target the design methodologies and the methods of appropriation by stakeholders from the perspective of a social impact (evolution of the training proposition, training of the training professionals).



### Multilingualism, educations, societies

The research activities focus on multilingualism, multilingual and intercultural education, and language education policies. They can be seen in the context of a broader schooling/inclusive education issue associated with the question of giving educational/formative consideration to linguistic and cultural plurality in the teaching-learning of languages, in particular French as a common and integrating language, at school with pupils, but also in the field of language training for migrant adults in social and professional integration.

Educational questions also relate to schooling inequalities coupled with the sociolinguistic question of the statutory inequality of languages, the impact of diminution or "minorisation" on the practices and representations of learners, children or adults involved in social, linguistic and cultural mobility. The current research work forms part of the regional Programme Enjeu[x] (Regional Child/Youth Programme), Pays de la Loire, Axis 3, Theme 3: Multilingual imaginaries between families and school, and in the RTI Europa Alliance, AMICAE programme, Element 2: School, multilingualism, migrations.



## Key words

- Language instruction
- IT environments for human learning
- Linguistic policies
- Multilingualism
- University teaching
- Sociolinguistics
- Artificial Intelligence and Embedded Systems
- Information and communication sciences
- Educational sciences
- IT and communication uses and technologies for teaching and training

