

Discipline /Field IT / Human-Computer Interaction	Project number <i>(to be completed by ECPk)</i> PIC-XX
Project title Designing advanced human-computer interaction using a new technology	
Project description <p>At the beginning of the 1990s, a medium for publishing content and services in the form of Web sites was introduced on the Internet: the World Wide Web. This medium suggests publishing content and services which involve text-based communication, long pages, and complex user interfaces. As a result, Web sites are hard to use on mobile devices with small screens, while those devices have become the most popular means to access the Internet.</p> <p>Today, a new medium for publishing content and services is being introduced on the Internet: Frogans. This new medium suggests publishing content and services which involve visual communication, focused content, and natural interaction. Frogans enables a new kind of communication between end users and publishers of content and services.</p> <p>Frogans is not meant for publishing Web sites, but Frogans sites, a new kind of site founded upon a different format. Frogans sites are rendered identically on all end-user devices, right down to the pixel level, and regardless of the screen size.</p> <p>For an overview of the technology making up Frogans as a new medium: https://www.frogans.org/en/resources/overview/access.html</p> <p>The Frogans technology is developed by the OP3FT, a Standards Developing Organization (SDO) based in France. The OP3FT is in the process of opening a local branch in Beijing.</p> <p style="text-align: center;">~</p> <p>This project challenges students to design and develop one or more Frogans sites. Students are free to choose the content and services of their Frogans sites: education, sports, e-commerce, games, etc. Each Frogans site is expected to show how Frogans as a medium can be used to bring content and services to netizens in a brand new way.</p> <p>In the context of the spread of the Frogans technology to developer communities worldwide, the OP3FT will promote those Frogans sites which best illustrate how Frogans as a medium is conducive to the design of advanced human-computer interaction thanks to its characteristics.</p> <p>Upon request, the OP3FT can provide students with training and support on the Frogans technology, including FSDL, the markup language used to create Frogans sites.</p> <p>The project will consist of two parts:</p> <ol style="list-style-type: none"> 1. Setting up an HTTP server using standard back-end technologies (Java, PHP, SQL databases...) and experimenting with the graphical capabilities of FSDL. 2. Designing and developing one or more fully-functional Frogans sites. The content and services of the Frogans sites should be dynamic, i.e. generated on the fly by the server. 	

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