

## Contact

Sara Bouchenak

Sara.Bouchenak@insa-lyon.fr

<http://liris.cnrs.fr/sara.bouchenak/teaching/>

---

## Building Socket-based distributed systems

### 1. Objectives

- Building distributed systems
- Synchronous network communication systems
- Introduction to Java Sockets

### 2. Prerequisites

- Java programming

### 3. Description

- a) Build a Socket-based chat system, where participants can dynamically join, leave, exchange messages
- b) Implement a graphical user interface for the chat system

### 4. Software environment

#### Used software

- Java 2 SDK
- IDE (e.g. Eclipse)

#### Directory organization

Organize your directory as follows:

- src/
  - .java files
- classes/
  - .class files
- doc/
  - Javadoc API and HTML files
- lib/
  - .jar files