



**Università degli Studi di Bologna
Facoltà di Ingegneria**

Principles, Models, and Applications for Distributed Systems M

Lab Introduction

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WHAT, WHEN, WHERE, and HOW

What: hands-on labs are an *essential part* of this course; they are complementary to lessons, but part of the time schedule

When: we will start labs later on (after a few weeks), to let you study and settle down some basic **background knowledge**

Proposal: *Wednesday, from 4 pm to 6 pm*

Where: *Lab 3, “new building” basement*

How: *one worked-out* exercise followed by *one assignment*

MAIN TOPICS

Java language

Java Multithreading

C/S applications: connectionless Java sockets

C/S applications: connection-oriented Java sockets

Java RMI

Web Services

TEXT BOOKS

Additional material w.r.t. Course Slides

- **D. Flanagan**: "Java in a Nutshell - A Desktop Quick Reference", terza edizione, O'Reilly, 1999.
- **D. Reilly, M. Reilly**: "Java Network Programming and Distributed Computing", Addison-Wesley, 2002.
- **J.F. Kurose, K.W. Ross**: "Computer Networking: a Top-Down Approach Featuring the Internet", 2001.
- **A.S. Tanenbaum**: "Computer Networks", Prentice-Hall, 1988.
- **R.W. Stevens**: "TCP/IP Illustrated: vol.1, vol.2, vol. 3", Addison-Wesley, ed. 1994/5/6, anche edizioni successive.

And many others, including Internet resources... 😊