



WELCOME TO THE LAB!

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and Marco Zennaro

# Safety Rules in the Lab

- Do not touch equipment until instructed.
- You should be accompanied at all times by a laboratory partner and/or a lab instructor.
- Report all dangerous conditions to your lab instructor.
- If a piece of equipment does not turn on or stops functioning properly, report it to your lab instructor immediately.

# Safety Rules in the Lab

- We will use scissors, cutters, soldering irons, drills.
- These are potentially dangerous objects!
- **PLEASE PAY ATTENTION!!!**



# Safety Rules in the Lab

- Incorrect use of equipment may lead to damages to the instruments and to injuries.
- If you need help, don't hesitate and ask to the instructor.
- If you are not sure, always adopt a safe setting for the instruments (low power output, for example).



# School on the Web!

School on  
**Radio Based Computer Networking**  
for Research and Training in Developing Countries **smr1644**

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## Tentative Timetable

Updated: 8 Feb. 2005

### First Week (7—12 Feb. 2005):

Monday, 7 Feb. 2005 *Kastler Lecture Hall, AGH*

09:00—12:00	Registration and administrative matters
14:30—15:00	Opening Speech : "The Abdus Salam International Centre for Theoretical Physics and ICT for Development" <i>K.R. Sreenivasan (ICTP, Italy)</i>
15:00—15:30	"Eight years of Schools in Radiocommunications and Networking at ICTP" ( <b>PDF</b> 11.1 MB) <i>S.M.Radicella (ICTP-ARPL, Italy)</i>
15:30—16:00	break
16:00—16:30	"The role of radiocommunications for development" ( <b>PDF</b> 721 KB) <i>R.Struzak (ITU, Switzerland, ret.)</i>
16:30—17:00	"The activities of ITU-BDT for wireless communications in Developing Countries" ( <b>PDF</b> 3.5 MB) <i>R.Passerini (ITU-BDT, Geneva, Switzerland)</i>
17:00—17:30	"Wireless Networking in Latin America: 15

The Abdus Salam International Centre for Theoretical Physics (**ICTP**) is organizing the "School on Radio Based Computer Networking for Research and Training in Developing Countries", held from 7 February to 4 March 2005 in Trieste, Italy.

Shortcuts to the weeks:

- ◆ [First week](#)
- ◆ [Second week](#)
- ◆ [Third week](#)
- ◆ [Fourth week](#)

# Getting the stuff

School on  
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## Lecture Notes

### Introductory Topics and General Overview

- "Eight years of Schools in Radiocommunications and Networking at ICTP"** (pdf, 11.1 MB)  
*S.M.Radicella*
- "The role of radiocommunications for development"** (pdf, 721 KB)  
*R.Struzak*
- "The activities of ITU-BDT for wireless communications in Developing Countries"** (pdf, 3.5 MB)  
*R.Passerini*
- "Wireless Networking in Latin America: 15 years of experience"** (pdf, 5.7 MB)  
*E.Pietrosemoli*

### GNU Linux and Open Source

- "Open Source for Science (OS4S)"** (html)  
*E.Canessa*

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### Downloads

- ◆ Lecture Notes
  - ◆ General
  - ◆ RF Theory
  - ◆ Linux/OpenSource
- ◆ Administrative
- ◆ Radio Laboratory Handbook

# Diary and photos



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[timetable](#)

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[diary](#)



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## Diary

- ◆ [First Week](#)
- ◆ [Second Week](#)
- ◆ [Third Week](#)
- ◆ [Fourth Week](#)

## Photos

- ◆ [First Week](#)
- ◆ [Second Week](#)
- ◆ [Third Week](#)
- ◆ [Fourth Week](#)

# Lab Handbook

## Radio Laboratory Handbook

of the ICTP “School on Digital Radio  
Communications for Research and Training  
in Developing Countries”



- \* personal copy for each participant
- \* personalize your own copy!
- \* PDF version available in web
- \* take it with you in the lab!



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educational, scientific  
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international atomic  
energy agency

the  
abdus salam  
international  
centre for  
theoretical  
physics

trieste, italy

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### Cables and Antennas

*Marco Zennaro*

*Carlo Fonda*

ISBN 92-95003-24-1

# Tools and books



- \* each group should choose a representative
- \* he/she has to check daily the item list
- \* he/she is also responsible for books on loan

# Lab library



- \* a small library is available on the lab for consultation and short loan of books
- \* it is managed by prof. Ryszard Struzak (school co-director)

# Open Lab & Interaction

All you are warmly invited to actively participate to lab activities: sharing knowledge and experiences is the base of this school!



# Lab etiquette



- \* please be here on time for the activities!!!
- \* keep your table clean and your tools in the box
- \* keep the noise level reasonable
- \* enjoy lab life! :-)