

# ReSET

## JISC X4L Phase 2 Project

Prof Barry J Beggs  
Glasgow Caledonian University

# Background

- ◆ Existing CBL resources available
- ◆ Many years of using these resources
- ◆ The content is academically sound
- ◆ Appearance and presentation dated
- ◆ Strong desire to re-engineer resources
- ◆ JISC X4L Phase 2 call published

# The ReSET Project

- ◆ The consortium of partners
- ◆ Aims and objectives
- ◆ EDEC
- ◆ CalGroup
- ◆ HELM
- ◆ MATTER
- ◆ JORUM repository

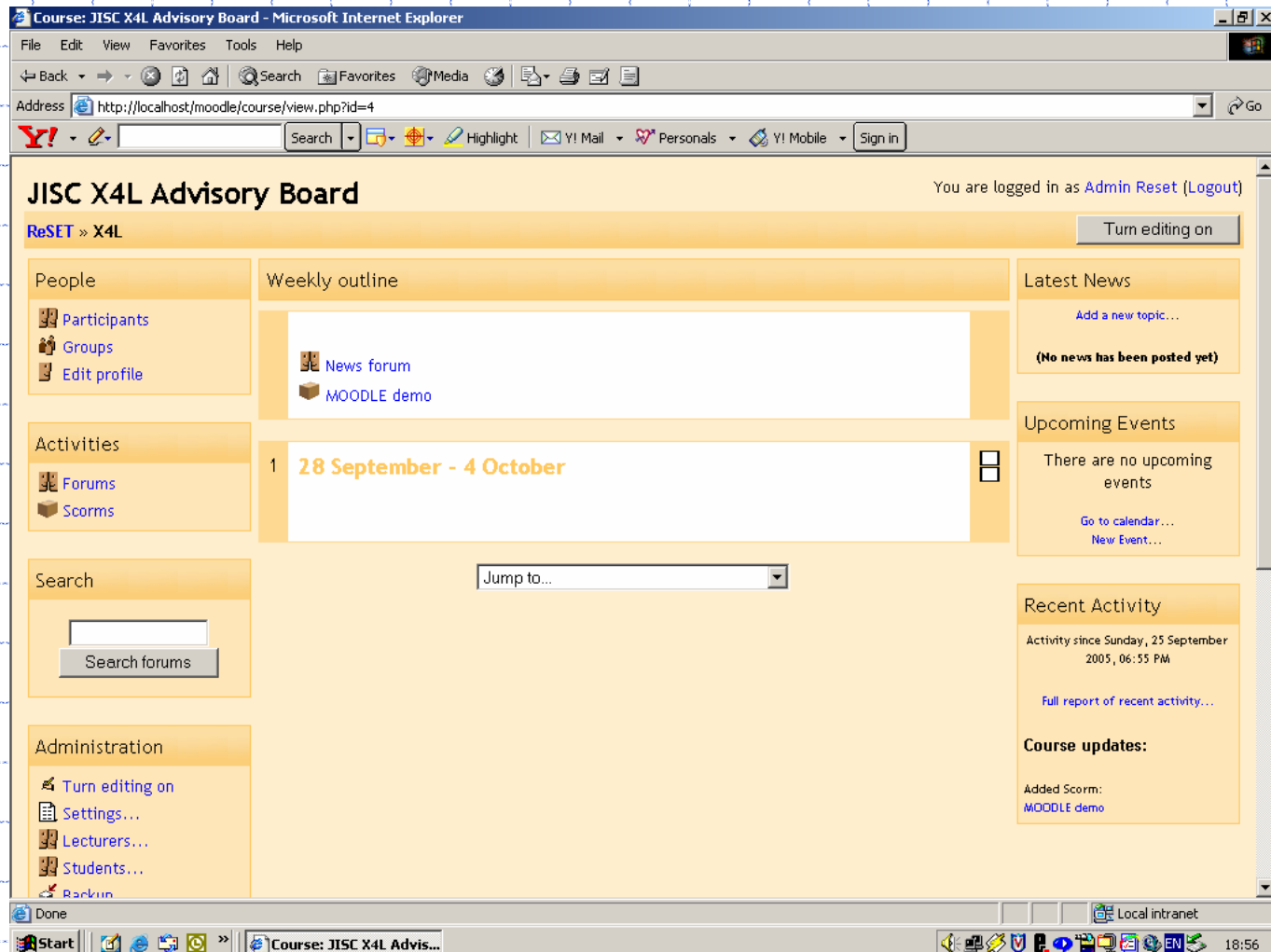
# Progress to date

- ◆ Evaluation of resources by FE partners
- ◆ Fragmentation of legacy content
- ◆ Creation of over 200 LOs
- ◆ Addition of metadata
- ◆ Testing of LOs in VLEs
- ◆ LOs uploaded to JORUM sandbox
- ◆ LOs downloaded and re-tested in VLEs

# Demonstration of activities

- ◆ Fragmentation of legacy content
- ◆ Creation of LO and metadata
- ◆ Examples of LOs    1    2    3    4
- ◆ LO to and from the JORUM sandbox
- ◆ How do we use the LOs?

# New LO used in MOODLE



Course: JISC X4L Advisory Board - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://localhost/moodle/course/view.php?id=4>

JISC X4L Advisory Board You are logged in as [Admin Reset \(Logout\)](#)

ReSET » X4L Turn editing on

**People**

- Participants
- Groups
- Edit profile

**Activities**

- Forums
- Scorms

**Search**

Search forums

**Administration**

- Turn editing on
- Settings...
- Lecturers...
- Students...
- Backup

**Weekly outline**

- News forum
- MOODLE demo

1 **28 September - 4 October**

Jump to...

**Latest News**

[Add a new topic...](#)

(No news has been posted yet)

**Upcoming Events**

There are no upcoming events

[Go to calendar...](#)  
[New Event...](#)

**Recent Activity**

Activity since Sunday, 25 September 2005, 06:55 PM

[Full report of recent activity...](#)

**Course updates:**

Added Scorm:  
MOODLE demo

Done

Start Course: JISC X4L Advis... Local intranet 18:56

X4L: MOODLE demo - Microsoft Internet Explorer

Address: http://localhost/moodle/mod/scorm/playscorm.php?id=6

## JISC X4L Advisory Board

ReSET » X4L » Scorms » MOODLE de

### Semiconductors & PN Junctions

Quit & Credits

A crystal of pure or **intrinsic** silicon has a regular lattice ( **tetrahedron** ) structure where the atoms are held in their positions by bonds, called **covalent** bonds. In a covalent bond the **valence electrons** of neighbouring **atoms** are shared.

Normally these valence electrons are not free to move. However, at room temperature some of these covalent bonds will be broken due to thermal excitation and the silicon atoms are said to be **ionised**. The escaping valence electrons are now free to contribute to the conduction process. The breaking of the covalent bond leaves behind a vacancy, or a **hole**. We will see the importance of the hole in the next section.

2D representation of an intrinsic silicon crystal

Intrinsic Semiconductors

Screen 3 of 5

Done

Start

X4L: MOODLE demo - Micr...

Microsoft PowerPoint - [P...]

1ofn\_s1.aam

18:58

# Concluding remarks

- ◆ IPR agreements are in place
- ◆ Participation in various JISC activities
- ◆ Presentation at HEA 2005 Conference
- ◆ Paper at EE2006 Conference
- ◆ Other publications pending
- ◆ On schedule to meet all objectives
- ◆ Much more could be done if.....