

Exploring the use of QR Codes as a Learning Technology

MIMAS Mobile Learning: Telling Tales

9th July 2009

Andy Ramsden

Head of e-Learning

University of Bath

<http://go.bath.ac.uk/andyramsden>

twitter

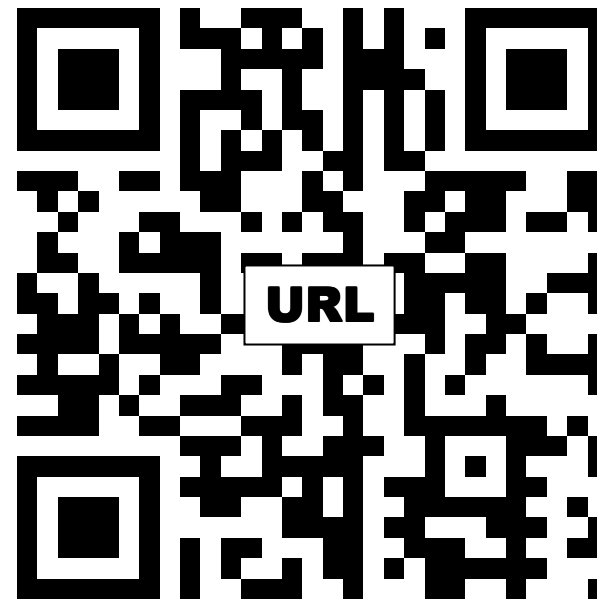
andyramsden



eatbath-present



jiscqr



<http://www.bath.ac.uk/lmf/download/34642>

Information Sheet

© University of Bath, e-learning Team, part of the LTEO
e-learning@bath.ac.uk

Conference and workshop presentations

This is a PDF of either a presentation or poster given by a member of the e-learning community at the University of Bath. If you would like to access the actual presentation the it should be available on www.slideshare.net, search for the “eatbath-present” tag

For other presentations, posters and working papers given by the elearning team at the University of Bath then see our Online Publications Store, <http://opus.bath.ac.uk/view/divisions/elearning.type.html>

The story

Title: How might QR Codes be used in Teaching and Learning?

Prologue: What is a QR Code

Chapter 1: QR Codes in T&L

Chapter 2: Improving the feedback loop

Chapter 3: Look no pens

Chapter 4: Connecting the physical to the virtual

Chapter 5: Mobile educational gaming

Chapter 6: Are students aware of QR Codes?



<http://www.flickr.com/photos/89509548@N00/496717386/>

Prologue: what is a QR code?

A QR Code effectively and efficiently connects the physical world and the electronic



A **QR Code** is a matrix code (or two-dimensional bar code) created by Japanese corporation Denso-Wave in 1994. The "QR" is derived from "Quick Response", as the creator intended the code to allow its contents to be decoded at high speed. QR Codes are common in Japan where they are currently the most popular type of two dimensional codes.

An ever increasing number of tasks can be achieved using a QR code. The core ones are,

- Link to web site
- Send an sms to a phone
- Transfer a phone number
- Provide more text

what is involved?

- QR Code Generator
- A task / activity which is appropriate for a small screen device

- Camera phone
- Good connectivity
- QR Code Reader
- Money



A QR Code Generator

<http://qrcode.kaywa.com>

A QR Code Reader

<http://www.i-nigma.mobi>
07781 489 340

The following example, illustrates scanning a QR Code, adding it to your favourites and accessing the web site:
<http://www.bath.ac.uk/lmf/download/26048>

Scanning a QR Code

Chapter 1: QR Codes in T&L

QR codes at Bath

QR Code and Tiny URL service blog

FAQs on QR Codes

QR codes and Moodle

QR Codes in Education

Projects

	QR Codes only	QR Codes with other tools
e-Admin	<ul style="list-style-type: none">● Inclusion within web pages (bookmarking)● vCard / Office Hours	<ul style="list-style-type: none">● Subscription to a rss news feed<ul style="list-style-type: none">● Sign up for SMS news alerts using QR codes● Within library catalogue
e-Learning	<ul style="list-style-type: none">● Handbooks linking to online resources<ul style="list-style-type: none">● JIT content in lectures (links, slides etc.,)	<ul style="list-style-type: none">● Classroom formative feedback● Augmented reality gaming● Video (youtube) user guides<ul style="list-style-type: none">● Campus / Library Inductions● Appended to Moodle print outs

Chapter 2: Improving the feedback loop



<http://blogs.bath.ac.uk/casestudies>

Use QR Codes to improve the feedback loop through reducing the barriers involved in a person commenting on a poster or exhibit. Use of the QR Code facilitates the effective completion of the task on a phone.

Chapter 3: Look no pens

Library Services

UoB home: a-z | contact | search

About | Catalogue | Subjects | Online Resources | Your use of the Library | Help

LIBRARY

Library catalogue

Go back

Next result

Print/e-mail saved results

Shelfmark browse

Short loan offprints

New books

Theses and dissertations

New search

result 1 of 34 for search "sloman" in anywhere

Economics and the business environment

Sloman, John, 1947-
Publisher: Financial Times Prentice Hall,
Publication date: 2008.
ISBN: 9780273710370

No copies currently on the shelves. Place Hold .

Copy details

Library & Learning Centre (Univ of Bath)

Shelf mark	No. of copies	Loan type	Location
330.65 SLO	1	28 day loan	On loan, due back 22/4/2009

Catalogue record

ISBN: 9780273710370 (pbk.) ;
ISBN: 0273710370 (pbk.) ;

Personal Author: Sloman, John, 1947-
Title: Economics and the business environment / John Sloman.
Edition: 2nd ed.
Publication info: Harlow : Financial Times Prentice Hall, 2008.
Physical descrip: 395 p. + (various pagings) : ill. ; 27 cm.
General Note: Previous ed.: published as The economic environment of business. 2005.
General Note: Includes index.

Save

- Place Hold
- Permalink for this result
- Find more by this author
- Find more on these topics
- Order online from BLACKWELL

What's this?



<http://blogs.bath.ac.uk/qrcode/2009/03/23/uni-of-bath-library-including-qr-codes-in-catalogue/>

ECONOMICS AND THE BUSINESS ENVIRONMENT

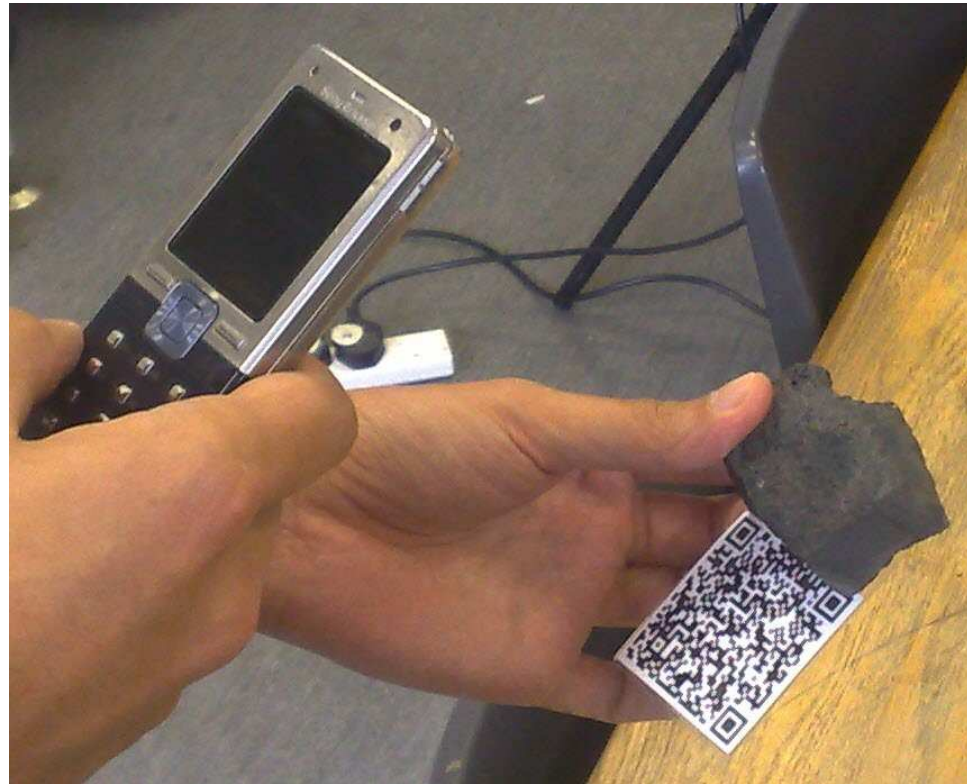
JOHN SLOMAN

Save

- Place Hold
- Permalink for this result
- Find more by this author
- Find more on these topics
- Order online from BLACKWELL

What's this?

Chapter 4: Connecting the physical and the virtual



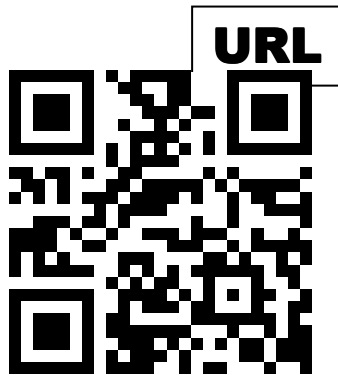
Chapter 5: Mobile educational gaming



<http://www.flickr.com/photos/jazzybam/sets/72157615487815373/>

Chapter 6: Are students aware of QR Codes?

- Do you know what a QR Code is?
 - Yes: 13.8%
 - with 95% confidence interval, then 12.34% - 15.26% of total student population are aware of QR codes.



<http://opus.bath.ac.uk/12782>

- Have you accessed a QR Code?
 - Yes: 2.2%
 - with 95% confidence interval, then 1.58% - 2.82% of total student population have accessed a QR code.
- The most common action was
 - Web site – 33 responses
 - Read more text – 28 responses
 - Phone a number – 19 responses
 - Send a pre-written SMS – 12 responses?

thank you



<http://blogs.bath.ac.uk/qrcode>

Andy Ramsden

a.ramsden@bath.ac.uk



[andyramsden](#)



[eatbath-present](#)



[jiscqr](#)