Information Technology Centre
ITC32 Java for Wireless Devices

February 18 - 20, 2004

With the advent of the Java 2 Platform, Micro Edition (J2ME) from Sun Microsystems, programmers can develop Java applications for resource constrained devices. These devices, such as PDAs and cell phones, usually have small memory footprints and limited CPU powers. Many wireless devices support J2ME technology, and many J2ME applications have been deployed in these devices.

This course gets you up to speed with the J2ME, including its configuration and profiles. It will first introduce the Connected Limited Device Configuration (CLDC) and the Mobile Information Device Profile (MIDP) for developing wireless applications. Then you will learn basics of MIDlet programming, including GUI programming, network programming, and database programming. You will also learn wireless programming with more advanced J2ME features, including mobile media, wireless messaging, location based programming, and Bluetooth connectivity.

Prerequisite: One year Java programming experience.

Course Content and Schedule

Day 1
Morning:
Lecture: Introduction to J2ME
Hands-on Lab: Getting Started

Afternoon:
Hands-on Lab: MIDP GUI programming

Day 2
Morning:
Hands-on Lab: Network programming

Afternoon:
Hands-on Lab: Database programming

Day 3
Morning:
Hands-on Lab: Mobile media programming
Hands-on Lab: Wireless messaging programming

Afternoon:
Hands-on Lab: Location based programming
Hands-on Lab: Bluetooth connectivity programming

Textbook: Qusay H. Mahmoud, "Learning Wireless Java", O'Reilly, 2002.

Morning breaks, lunch and afternoon breaks will be served at 10:00am, 12:00pm and 2:30pm respectivly.

Instructor
Weichang Du

Weichang Du is an associate professor at the University of New Brunswick's Faculty of Computer Science. He has taught courses at the introductory, intermediate and advanced levels at the Fredericton and Saint John campuses of UNB for the past 12 years. He holds a PhD from the University of Victoria and is actively pursuing teaching and research in the areas of object-oriented technologies, software engineering, and parallel and distributed programming.

Registration Form - ITC32 Java for Wireless Devices
February 18th - 20th, 2004

Course registration and payment must be received by February 17th, 2004. Course enrollment is limited to 14 students. Free parking is available in the car park beside the Information Technology Building. Please fill in the following form and return it with payment to:

Faculty of Computer Science, 550 Windsor Street, Room 315
University of New Brunswick
P.O. Box 4400, Fredericton, N.B. E3B 5A3
Phone: (506) 447-3220 FAX: (506) 453-3566 E-mail: itc@unb.ca

Name: _____

Title: _____

Affiliation: _____

Address: _____

_____

Telephone number: _____ FAX number: _____

E-mail address: _____

Registration fee: $1,050.00 ($913.59 + $136.95 HST)

Registration includes morning coffee, refreshment breaks, lunch at the course location, and a set of course notes. A computer projection system is used for delivering course material.

Method of payment (check one):
[ ]Cheque [ ]Money Order [ ]Purchase Order or
Credit Card: [ ]VISA [ ]MasterCard
Card Number: _____
Name of Card Holder: _____
Expiration date: _____ (please print or type)

Your Signature: _____
Date signed: _____ (required for credit card payment only)

Please register my CEUs with EIC [ ]
Technical Society/Prof. Eng. Association:_____
Membership No._____

Cheque or money order remitted in Canadian dollars is to be made payable to the "UNB Information Technology Centre".

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