



The United Nations
University

UNU/IIST

International Institute for
Software Technology

Certificate of

Training at UNU/IIST

It is hereby certified that

Mr. Luis Reynoso

*was a fellow at United Nations University International Institute for Software Technology from 8 November 1999 to 31 May 2000. During his 7-month training at UNU/IIST, Mr. Reynoso worked under the supervision of Dr. Richard Moore, UNU/IIST Research Fellow on the project **Design Patterns**. As part of this project, Mr. Reynoso produced 2 reports entitled "A Formal Model of Object-Oriented Design and GoF Design Patterns" and "GoF Behavioural Patterns: A Formal Specification".*

Director of UNU/IIST
Prof. Zhou Chaochen



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To Whom It May Concern

This is to certify that **Luis Reynoso** has attended the following advanced courses and seminars held at UNU/IIST in the period 8 November 1999 to 30 May 2000:

- Pebble: A Language For Hardware Research and Teaching – Dr. Wayne Luk, Imperial College, University of London, UK
- A Formalism for Complete Correct System Development – Jean-Raymond Abrial, UNU/IIST visitor
- Agent-Based Business Process Management in Virtual Enterprise – Huang Biqing, Tsinghua University, Beijing, China
- Optical Data Storage – Professor Gan Fuxi, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, Shanghai, China
- Production Modelling as Shell Programming – Francisco Moreira and Rui Souza, UNU/IIST fellows
- Assessing Usage of Natural Resources – Jules Tapamo, UNU/IIST fellow
- Knowledge Discovery in Databases: Some Topics and Results – Professor Tu Bao HO, Japan Advanced Institute of Science and Technology, JAPAN
- From Continuous Specification To Discrete Design – Francois Siewe, UNU/IIST fellow
- Schedulability Analysis of Event-Driven Systems – Dr. Wang Yi, Dept of Computer Systems IT, Uppsala Univ, Sweden
- Formalisation of Scheduling for Hard Real Time Systems – Dr. Wasim Uddin Khan, UNU/IIST fellow

- A University Library Management System (ULMS) – Ms Ri Hyon Sul and Ms Pak Jong Ok, UNU/IIST fellows
- Formal Development of Personnel System in RSL – Mr Wu Xiaojun, UNU/IIST fellow
- Combining Case-based and Model-based Reasoning: A Formal Specification – Li Shuguang and Jiang Qing, UNU/IIST fellows
- Management Systems for Student Accommodation and National Key Laboratories Network – Jin Zhendong, UNU/IIST fellow
- Algorithmics of program verification – Paritosh K. Pandya, TIFR, Mumbai, India
- DCVALID: A tool for modelchecking Quantified Discrete-time Duration Calculus formulae – Paritosh K. Pandya, TIFR, Mumbai, India
- Modelling and Verification of Network Player System with DCValid – Wang Jianzhong, UNU/IIST fellow
- Binary Decision Diagrams and Symbolic Model Checking – Paritosh K. Pandya, TIFR, Mumbai, India
- A Formal Model of GoF Object-Oriented Design Patterns – Andres Flores and Luis Reynoso, UNU/IIST fellows
- Where do Software Architectures come from? – Professor Dines Bjørner, Dept. of IT, Techn. Univ. of Denmark, Lyngby, Denmark
- Domain Engineering – Professor Dines Bjørner, Dept. of IT, Techn. Univ. of Denmark, Lyngby, Denmark
- Requirements Engineering – Professor Dines Bjørner, Dept. of IT, Techn. Univ. of Denmark, Lyngby, Denmark
- On a Course in Software Engineering – Professor Dines Bjørner, Dept. of IT, Techn. Univ. of Denmark, Lyngby, Denmark
- An Operational Semantics Imperative CSP – Professor Dines Bjørner, Dept. of IT, Techn. Univ. of Denmark, Lyngby, Denmark

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