

WILLIAM HINOJOSA ANDIA

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Personal Information

Date of Birth **February 16th 1978**
Marital Status **Single**

Personal Interests

**Artificial Intelligence
Adaptive Control Systems
Analogue and Digital Design
Microcontrollers**

Studies

January 2005 – **THE UNIVERSITY OF SALFORD**
Current Candidate for PhD in Advanced Robotics
Research project: *“ROBOT-CUB: ROBotic Open-architecture Technology for Cognition, Understanding and Behaviour”*
Salford, Greater Manchester, UK

September 2003 - **THE UNIVERSITY OF SALFORD**
December 2004 MSc in Robotics and Automation
Research project: *“Fuzzy Control of Pneumatic Muscle Actuators”*
Salford, Greater Manchester, UK

January 2002 - **PONTIFICIA UNIVERSIDAD CATOLICA DEL PERU**
September 2003 Electronic Engineer Degree
Thesis: *“Closed Loop Identification, Register and Control System for Control Processes”*
Lima, Peru

March 1995 - **PONTIFICIA UNIVERSIDAD CATOLICA DEL PERU**
December 2002 Bachelor in Science and Engineering with mayor in Electronics and Computing Science
Lima, Peru

December 1998 - **PERUVIAN ELECTRICIANS AND TECHNICIANS OF RADIO AND TELEVISION ASSOCIATION**
March 1999 Electronic equipment maintenance and reparation
Lima, Peru

1990 - 1994 **PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ**
Radio communication
Lima, Peru

March 1996 - **School: "NUESTRA SEÑORA DEL CARMEN"**
August 1996 Lima, Peru

Experience

1998 - December **CLINICA DE REUMATISMO DE MIRAFLORES**
2002 Preventive maintenance of medical equipment, consultant

January 1998 - **PERUVIAN NATIONAL ARMY SCHOOL OF COMANDS**
April 1998 Body to body fighting instructor – UCT special forces

Spanish
First Language

Languages **English**
Fluent English (written and spoken) [TOEFL 270 (Computer Based)]

Japanese
Some knowledge (written and spoken)

Scientific Events

September 6 - 8 **"RO-MAN 06: The 15th IEEE International Symposium on Robot and Human Interactive Communication"**
2006 Published Paper: Performance Assessment of a 3 DOF Differential Based Waist Joint for the "iCub" Baby Humanoid Robot, pp. 195-201
University of Hertfordshire
Hatfield, United Kingdom

September 7 - 9 **"IARP International Advanced Robotics Programme"**
2004 The University of Salford
Assistant
Salford, United Kingdom

July 5 - 7 **"IAV2004: Symposium on Intelligent Autonomous Vehicles"**
2004 Instituto Superior Técnico
Assistant
Lisbon, Portugal

August 5 - 7
2001
"VIII Congreso Internacional de Ingeniería Electrónica, Eléctrica y Sistemas INTERCON '2001"
Universidad de Piura, IEEE
Asistant
Piura, Peru

June 9 - 11
2000
"Millennium Robot Games"
Participant
Alberta, Canada

1999
"Congreso Nacional de Ciencia y Tecnología CONATEC '99"
Pontificia Universidad Católica del Perú
Assistant
Lima, Perú

August 11 - 15
1998
"V Congreso Internacional de Ingeniería Electrónica, Eléctrica y Sistemas INTERCON '98"
Universidad Privada de Tacna, IEEE
Assistant
Tacna, Perú

Research and Development

1999 - 2002
Research and development of neural network controlled systems applied to robotics
Pontificia Universidad Católica del Perú

Published Articles

July 2003
“Artificial Intelligence”
SINOPSIS Magazine
Pontificia Universidad Católica del Peru

Additional Knowledge

Circuit Simulation Tools (Spice)
CAD (OrCAD, Protel)
MS Office XP
Windows XP
3D CAD Design – AutoCAD Inventor
Programming Languages: Matlab, Visual C++ .NET, Assembler, VHDL
Microcontrollers ANSI C
Analog and Digital Circuit Design
Control System design and development

Additional Training

INSTITUTO NACIONAL DE INVESTIGACION Y CAPACITACIÓN EN TELECOMUNICACIONES (INICTEL)

January 2003 –
September 2003

Course : PIC microcontrollers programming
Course : Advanced PIC microcontrollers programming
Course : Updates in Assembler language and microprocessors
Course : Programming and applications development using VHDL

Martial arts practice with the following degrees:

Hobbies and Sports

Karate : Black belt
Tae Kwon Do : Black belt
Kung Fu : Blue belt third degree, Kuo Su Style – Peruvian national team member 1999
Others : Muay Thai, Kick Boxing, Vale Todo, Jiu Jitsu

Audiophile
