

Imed Bouchrika

Building 1, ECS, University of Southampton
Southampton , SO17 1BJ , United Kingdom
Phone: +44.7886371803 Fax: +44.7886371803
Email: imed@imed.ws Web: www.imed.ws

OBJECTIVE

A dedicated and enthusiastic I.T. professional with excellent interpersonal skills and the ability to communicate in three languages. Quick to grasp new ideas, concepts and technologies and to develop creative and innovative solutions to complex problems. Able to work well on own initiative whilst demonstrating the organization and prioritization required to achieve tight deadlines. Enjoys being part of, as well as managing and motivating, a successful and productive team.

ACADEMIC QUALIFICATIONS

- **University of Southampton** Southampton, UK
Ph.D. Computer Vision and Artificial Intelligence 2004 - 2007
 - Title: Gait Analysis and Recognition for Automated Visual Surveillance.
 - Research Project: Because of the dearth of visual surveillance systems that exploit human gait for object classification and their limited aim to detect people only using simple shape-based features extracted from silhouettes, we have explored an alternative technique for walking people detection based on their gait motion. Further, we have proposed a novel method for visual surveillance systems to recognize walking people using a biometric solution based on gait.
- **University of Southampton** Southampton, UK
BSc. Computer Science with Artificial Intelligence (Hons) 2001-2004
 - Final Year Project: I developed a machine learning algorithm using C# for selecting the prominent gait features which can be used for a biometric system to recognize people by the way they walk (Grade **81%**)
 - Group Project: I worked in a team to develop an Airport Simulator Software using Java3D for the Southampton Airport. Because of my excellent knowledge in Java, I was chosen as the lead programmer of the project. We received a special invitation to demonstrate our software to the airport managers.
- **Reading University** Reading, UK
English Language Course 2000-2001
 - Passed the IELTS (International English Language Test System)
- **New Lyce** Souk-Ahras, Algeria
International Baccalaureate Exam 1996-2000
 - Mathematics (A). Physics & Chemistry (A). Biology (A). French (B).

CAREER EXPERIENCE

- **University of Southampton** Southampton, UK
Conference Organizer & Reviewer 2006 - 2007
 - Key coordinator of the Face and Gesture International Conference held in Southampton with 300 delegates in April 2006. I worked in a team to ensure the smooth progression of the conference.

KEY SKILLS

- **Problem Solving:** Developed various novel computer vision algorithms for visual surveillance. Also, working as a System admin, learnt how to find solutions to customer problems in a calm and efficient manner.
- **Communication:** Presentation skills and confidence demonstrated during the delivery of tutorials, seminars and presentations at international conferences.
- **Languages:** Communicate fluently in English, French and Arabic.

LIST OF PUBLICATIONS

- I. Bouchrika and M. S. Nixon. Gait-Based Pedestrian Detection for Automated Surveillance. in *International Conference on Computer Vision Systems*, Bielefeld, Germany, March 2007.
- I. Bouchrika and M. S. Nixon. Model-Based Feature Extraction for Gait Analysis and Recognition, *Mirage: Computer Vision / Computer Graphics Collaboration Techniques and Applications*, INRIA Rocquencourt, France, March 2007.
- I. Bouchrika and M. S. Nixon. Markerless Feature Extraction for Gait Analysis, in *IEEE SMC Chapter Conference on Advanced in Cybernetic Systems*, Sheffield, UK, September 2006.
- I. Bouchrika and M. S. Nixon. People Detection using Gait for Visual Surveillance, *BMVA Symposium on Detection vs. Tracking*, London, July 2006.
- I. Bouchrika and M. S. Nixon. People Detection and Recognition using Gait for Automated Visual Surveillance, in *IEE International Symposium on Imaging for Crime Detection and Prevention*, London, UK, June 2006.

PROFESSIONAL MEMBERSHIPS

- Institute of Electrical and Electronics Engineers (IEEE).
- Institute of Engineering and Technology (IET).
- British Machine Vision Association (BMVA).

PERSONAL DETAILS

- Date of Birth: 05 October 1981
- Interests include fitness, Photography, solving puzzles including Sudoku.