

CV of Prof. Dr. Ing. DRISS OUAZAR (June 2006)

Surname: **Driss**

Name: OUAZAR

Current nationality: Moroccan Previous nationality: Moroccan

Date of birth: 23/12/53

Town and country of birth: Azrou, Morocco

Gender: Male

Scientific field: Water Resources Modelling and Simulation

Position / Title: Professor, Head of LASH

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Candidate's Details

Degrees held:

1977 Civil Engineer, Hydraulics Ecole Mohammadia d'Ingénieurs, Rabat, Morocco

1983 Doctorate (PhD) Hydromechanics, Luick University, Belgium

Professional Appointments:

1989-? Professor of Civil Engineering, Head of LASH: HydroSystems Analysis

Laboratory, National Research

Council Associate Laboratory

1987-1989 Professor of Civil Engineering, Head of the Hydraulics Department.

1983-1987 Senior Lecturer at Ecole Mohammadia d'Ingénieurs , Head Hydraulics Department

1978-1983 Research Assistant at Liège University,

1977-1978 Teaching Assistant at Ecole Mohammadia d'Ingénieurs

Membership of science academies and professional societies:

International Association for Boundary Element Methods (IABEM),

Association Française d'Intelligence Artificielle (AFIA),

Association des Ingénieurs de l'Ecole Mohammadia (A.I.E.M.),

Member of the National Committee, Head Continuing Education Section (1984-1987),

International Society of Computational Methods in Engineering (I.S.C.M.E.), Member since 1986),

International Association of Hydraulic Research (I.A.H.R.),

International Water Resources Association (I.W.R.A.),

International Association of Boundary Element Method (I.S.B.E.M).

Awards and honours:

2002 Prix Hassan II pour l'Environnement
1995 Best Paper Revue Marocaine du Génie Civil
Year Book 1994- 96 International Council of Scientific Unions, COSTED
1993 STAP Roster of Experts Global Environmental Facility, Scientific and Technical
Advisory Panel, UNEP
Citation of major research accomplishments:
SWIMED: SUSTAINABLE WATER MANAGEMENT IN MEDITERRANEAN COASTAL
AQUIFERS : Recharge Assessment and Modelling Issues
WADI: Water supply watershed planning and management: an Integrated approach
INCO-Med, Commission of the European Communities.
PARS CNR: Réalisation d'un système d'alerte en cas de crues ou rupture de barrage.
CRUCID: Modélisation numérique des crues via le Calcul Intensif Distribué", Concerted
Action, EU-DGIII, DGXII/Task Forces.
ESIMEAU: Apport des Technologies de l'Information A la gestion et a la Modélisation
des ressources en eaux en Zones Semi-Arides, INCO -DC Project of European
Communities,
FLAUBERT: Flood in Arid Units By Earth Remote Techniques; Developing of remote
Sensing Techniques for Evaluating the Spatial and Temporal distribution of Hydrological
Parameters in Arid Basins, INCO- DC Project of European Communities.
PROTARS CNR Etablissement d'un Système d'Information Géographique des bassins
versants Marocains et son intégration dans un Serveur Web, National research Council
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Biographical information

Focus on water resources engineering modelling and simulation (Free surface as well as
groundwater flow (hydrodynamics and contamination); Integrated Information
Technology applications (Collaborative engineering,
Geographic information systems, DBMS, Numerical modeling and optimisation,
Knowledge based systems, WEB implementation, etc...) to water and environmental
issues.

Many publications in refereed journals and international conferences proceedings (see
résumé for details),

Several international conferences with key note address.

Co founder of a series of international conferences including the Computer Methods and
Water Resources (launched from Morocco in 1988), International Conference on
Saltwater Intrusion and Coastal Aquifers (SWICA), 2001, and many others.

Coordination and principal or co-principal investigator of many international proposal
calls from European Union, US AID, Bilateral cooperation and national collaboration.

International training courses on Computation Water resources in 1988, 1989 with US
AID and IDRC, Integrated Coastal zone management, 1997 and 2001 with ICS and
UNIDO.

Supervision of more than 200 Graduations, 40 MS and 20 PhD theses Doctoral School
on Water and Environment.

Setting up of LASH laboratory.

Joint PhD supervision with Delaware University, USA, University of Missipi, USA, University of Hawai, USA, University of Exeter, UK, City University, UK, Wassex Institute of Technology, UK, INRIA, France, University of Pau, France, University of Barcelona, Spain, University of Granada, Spain.

Development of an Integrated Platform for Engineering Problem Solving: Water Resources Applications.

Sustainable Integrated Water Resources—project for Souss-Massa, Agadir, Morocco.

Edition of 20 books in Computational Water Resources.

10 book chapters.

List of the candidate's 12 major publications:

1. Bear, J., Cheng, A.H.-D., Sorek, S., Ouazar, D. and Herrera, I., (eds.), SEAWATER INTRUSION IN COASTAL AQUIFERS—CONCEPTS, METHODS AND PRACTICES, Kluwer Academic Publishers, Dordrecht/Boston/London, 625 p., 1999.
2. Cheng, A.H.-D. and Ouazar, D. (eds.), Coastal Aquifer Management--Monitoring, Modeling and Recent Practices, CRC Press, 280 P, 1 CD ROM, 2004.
3. El Bayad, R., Ouazar, D. Et al (2004): Système d'information Géographique / Système de positionnement Global, DAI, US AID, 132p, 2004
4. Ouazar, D., Ouattar, S., El Bayad, R. Et al (2004): Gestion Intégrée des Ressources en Eau, , DAI, US AID, 2004
5. Ouazar, D., Ouattar, S., El Bayad, R. Et al (2004): Les Outils d'Aide à la Décision pour la Gestion des Ressources en Eau, , DAI, US AID, 27p, 2004
6. Benkhaldoun, F., Ouazar, D, Raghay, S.(Eds) (2005): Finite Volumes for Complex applications, Hermes Science Publishing.
7. Cheng, A.H.-D., Burczynski, T. and Ouazar, D. (Guest Editors), SPECIAL ISSUE: OPTIMIZATION AND SENSITIVITY ANALYSIS, ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, Vol. 19, No. 2, Elsevier, March, 1997.
8. Cheng, A.H.-D., Ouazar, D. & Konikow, L. (Guest Editors), TRANSPORT IN POROUS MEDIA SPECIAL ISSUE ON SALTWATER INTRUSION IN COASTAL AQUIFERS, Kluwer Academic Publishers, Volume 4", No 1, April 2001.
9. Cheng, A.H.-D. and Ouazar, D., "Analytical solutions," Chapter 6 in SEAWATER INTRUSION IN COASTAL AQUIFERS—CONCEPTS, METHODS AND PRACTICES, eds. J. Bear, A.H. -D. Cheng, S. Sorek , D. Ouazar and Herrera, Kluwer, pp. 163-191, 1999.
10. Ouazar, D. And Cheng, A.H.-D., "Application of genetic algorithms in water resources," Chapter 7 in GROUNDWATER POLLUTION CONTROL, ed. K. Katsifarakis, WIT Press, pp 293-316, 2000.
11. A.H-D. Cheng, Benhachmi, M.K. , D. Halhal, Ouazar, D., A. Naji, , K. EL Harrouni (2004): Pumping Optimization in Saltwater Intruded Aquifers, pp 233-256, in Coastal Aquifer management--Monitoring, Modeling and Recent Practices, Editors A.H-D. Cheng and D. Ouazar, CRC Press
12. Bakkoury, Z., D. Ouazar and G. Walters (2004). EVAPRO: economic and financial evaluation of water supply projects, Journal of Hydroinformatics 6 (2004) 109-121