

## Dr. Fatimetou M. Mohamed-Salek,

Mauritanian citizenship, aged 46

PhD of Applied Mathematics, Engineer of Computer science

Professor of Applied Mathematics & Computer science

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### Professional experience - light version

**A. EDUCATION :** Professor of Computer science and Applied Mathematics - University of Nouakchott, 1996 to date.

**B. GOVERNMENTAL RESPONSIBILITIES :** SECRETARY OF STATE FOR NEW TECHNOLOGIES, MAURITANIAN GOVERNMENT, 2000 - 2004

### C. MANAGEMENT & OTHER ACTIVITIES IN THE PRIVATE SECTOR

- General Manager, SERVOTICS (Company of ICT & telecom services), Mauritania, 2008-to date
- Program Manager "Mobile Bank ", 2009 to date : feasibility of a M-payment solution for especially the unbanked
- General Manager, MAADIN Natural Resources (Company of mining & Oil services), Mauritania, 2004-2010
- Head of the Organization & Development Department, General Bank of Mauritania, 1997-1999
- Project Development Engineer GEOMATH (International subsidiary of the IFP), 1995-996, France
- Project Development Engineer, General Company of Geophysics (CGG), 1996 - 1997, France
- Research & development Engineer, TOTAL Exploration Production / Division R&D, 1991-1995, France

### D. NATIONAL & INTERNATIONAL CONSULTANCY

- Consultancy & technical assistance at BCM for the Bank modernization Central Bank of Mauritania 2010-2011 ; Mauritania Radio since 2012 ; Telecom provider for Mauritania : Mauritel since 2012)
- Expertise in events organisation & Edition of reports of Articulation Poverty environnement Project, PNUD, Mauritania, PNUD, 2009 -2010
- Expert in ICT promotion and Events organization, Secretary of state in charge of Administration Modernization and of ICT & MAURITEL promotion des TIC : «Internet for all the family and in total security » on the occasion of the commemoration of the world telecommunications and information society day
- Expert in e-Trade, UNECA (North Africa), Morocco. , 2005-2006
- Evaluation missions of NICI plans, UNECA : Audit of ICT development policies: e-government, regulation system, telecommunications operators and main actors of private sector and civil society, 2007.
- Expert in ICT Strategy of development , Ministry of Economy and Development and CDHLCP Commission - CSLP, Mauritania, 1999 - 2000
- Expert in development of software - web applications & databases : Coordination of development platform of the 1st official website of Mauritania's government ([www.mauritania.mr](http://www.mauritania.mr));

### Main International Conferences

- Egypte, 2009 - Integration of women in trade policies in North Africa, African Center of Trade Policies & UNECA
- Rwanda, 2007 - Which Universal Access for Africa ? « Case of Mauritania » - Forum Connect Africa
- Abuja, 2005 - The challenges of CMDT Doha' 2006 : Preparatory Meeting to World Conference of Telecommunication
- Paris, 2003 - ICT in Mauritania in NEPAD perspective. FIED'2003.
- Bilbao, 2003 - New Technologies and Development, Report to International Congress « IT4ALL ».
- Berlin, 2002 - « Electronic trade » - « The Development Dimension of World Trade ».
- Genève, 2001 - Telecommunications policies of IP Telephony, World Forum of Telecommunications Policies,
- Barcelone, 2000 - On the real challenges behind digital development for developing countries

### Main Publications

- « ICTs in Islamic World, Mauritania at the e-Government time » in Digital Encyclopaedia, December 2005, USA;
- « Multiple Seismic Waveform Inversion » in GEOPHYSICS, 1994, in coll. with Carey Bunks and Stephane Zaleski, (p 1151-1157);
- « Seismic Inversion by Multigrid Method »: in GHOST (TOTAL - TEP/DE/DTE/RTS), June 1994, (p 62-68);
- « Combining the Multigrid and Gradient Methods to Solve the Seismic Inversion problem»: 63th meeting of S.E G (Society of Exploration Geophysicists); Houston USA, 1993, in Expanded Abstracts with Authors' Biographies S 14.6 p 688-691;
- « Seismic Inversion problem» 62th meeting of S.E G (Society of Exploration Geophysicists), Washington USA, 2-6 November 1992, in Expanded Abstracts with Authors' Biographies S13.2 (p 330-333). Awarded best Article.

### ASSOCIATION & PROFESSIONAL NETWORKS

- President of ADEM (Association for the Development of Energy in Africa) et member of ADEA (Regional Association for the development of Energy in Africa)
- Member of the African Civil Society for Information Society (ACSIS)
- Member of the Internet Society (ISOC), of the Group New Information and Communication Technologies of in Mauritania (GNTIC), and the National Association of Mauritanian Computing Engineers (ANIM)
- Setting up of the Sesame Information System Society, in 1990, along with several French and African engineers, indented to develop computing in Africa.