



Individual Membership Form

Personal information

Title: **Dr.**

Gender: (M/F) **M**

Name: **Mrabet Zouhair Ben Mohamed Larbi**

Suffix:

Mailing address (Street or Postal Box): **Residence Rahma, Blok A, App# 6**

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Current affiliation: **Georisk Consulting**

Job title: **Principal and Founder**

Education Background

Highest degree received: **Ph.D in Civil-geotechnics and Hydrosystems**

Received from: **INPL, Institut National Polytechnique de Lorraine**

Major: **Geotechnical and civil Engineering**

Professional background

Professional background relevant to GEOSNet:

Increased attention is being paid to risk and uncertainty in geotechnical, geological and civil engineering, because of the pressure for improved reliability and safety. My Consultancy and expertise are addressing issues of risk and uncertainty representation and management in geotechnical, geological and civil engineering, through fundamental theoretical work on the mathematical representation of uncertainty, implementation in computer-based decision support tools, and application to practical geotechnical, geological and civil engineering problems.

As Research fellow at the school to the Geohazard Center within the School of Earth and Environmental Sciences, University of Portsmouth (Actually name: School of Earth & Environmental Sciences, SEES since 2001, from February 1999 to May 2003). My strong background in mathematics and statistics allowed me to enhance the existing geosciences program by applying different techniques of geostatistics, statistics, multivariate statistics and applied

probability theories in geomechanics, geotechnical engineering and Civil Engineering. I was invited to be:

-Member of the International Scientific Advisory Committee Conference on Computer Simulation in Risk Analysis And Hazard Mitigation, Sintra, Portugal, 19-21 June 2002. And Chairman of session Drought and Flooding disaster

-Member of the International Scientific Advisory Committee Conference on Computer Simulation in Risk Analysis And Hazard Mitigation, Rhodes, Greece, 27-29 September 2004. And Chairman of session Landslides and slopes

-Member of the International Scientific Advisory Committee of the International Association for Mathematical Geology, Portsmouth, UK, 9-12 September 2003 and chairman of the session dealing with Risk and simulation in geotechnical engineering

As Consultant in georisk. I assist clients in identifying and quantifying any potential geo-environmental risks. I perform risk, damage assessment and reliability analysis, by employing methods such as Failure Modes and Effects Analysis, Fault Tree Analysis, Event Tree Analysis, Reliability analysis, and Monte Carlo simulation. I offered practical solutions and expertise in statistical analysis, including Geostatistics and Random field Processes and mathematical modeling. I provided cost effective consulting while meeting deadlines within a given budget.

Main reasons for your interest in GEOSNet and potential contributions to the network:

My background is very interesting and my experience embraces a wide range of topics and multi-disciplinary research and georisk issues. I believe definitely my usefulness for different activities to enhance Risk analysis and reliability and geohazards research within This network.

Promote the usefulness of risk analysis in geotechnical, geological and civil engineering, because of the pressure for improved reliability and safety of man made structures.