

Name:

José João Roseira Delgado **Muralha**.

Place and date of birth:

Lisbon, 14/9/1959.

Nationality:

Portuguese.

Present position:

Research officer in the National Laboratory for Civil Engineering (LNEC) –
Lisbon, Portugal.

Degrees:

Civil Engineer by the Instituto Superior Técnico (IST) from the Technical
University of Lisbon, 1982.

PhD in Civil Engineering by the Instituto Superior Técnico (IST) from the
Technical University of Lisbon, 1996.

Professional activities:

Research officer in the Rock Foundations and Underground Works Division
Dams Department of LNEC since 1983.

Invited teacher of Rock Mechanics related disciplines for the graduate and
masters courses in Instituto Superior Técnico (IST).

Membership of professional bodies:

International Society for Rock Mechanics (ISRM)

International Association of Engineering Geology (IAEG)

International Tunnelling Association (ITA)

Portuguese Engineers Association (OE)

Portuguese Geotechnical Society (SPG)

Main research areas:

Testing, characterization and modelling in Rock Mechanics

Strength and deformability of rock joints

Dam foundation, underground works and rock slopes

Monitoring of geotechnical works

Publications:

More than 60 papers in Congresses, Conferences and Symposia.

More than 80 technical reports.

Most relevant listed below.

- Muralha, J. (1996) Probabilistic approach of the mechanical behaviour of rock joints (in portuguese). PhD thesis, IST, Lisbon.
- Grossmann, N.F. and Muralha, J. (1987) – About the mean area of a joint set. 6th Congress of the International Society for Rock Mechanics (ISRM), Montreal, Canada.
- Muralha, J. (1991) – A probabilistic approach to the stability of rock slopes. 7th Congress of the ISRM, Aachen, Germany.
- Muralha, J. and Grossmann, N.F. (1994) – Geometrical and mechanical characterization of the joint sets of a dam foundation. 7th Congress of the International Association of Engineering Geology (IAEG) Turning the Century with Engineering Geology, Lisbon, Portugal.
- Muralha, J. (1995) – Statistical description of shear parameters of rock joints. 8th Congress of the ISRM, Tokyo, Japan.
- Muralha, J. (1999) – A probabilistic model for the normal compliance of rock joints. 9th Congress of the ISRM, Paris, France.
- Muralha, J. (2003) – Parameter variability in the stability of rock blocks against toppling. 10th International Congress of the ISRM, Johannesburg, África do Sul.
- Muralha, J. (2006) – Unified shear model for rock joints. 4th Asian Rock Mechanics Symposium, ARMS 2006, Singapura.
- Muralha, J. (2007) – Stress paths in laboratory rock joint shear tests. 11th International Congress of the ISRM, Lisbon, Portugal.
- Muralha, J.; Lamas, L. e Grossmann, N.F. (2009) – Site characterization and rock testing for the evaluation of design parameters. Keynote Lecture, ISRM Regional Symposium EUROCK 2009 Rock Engineering in difficult ground conditions – Soft rocks and karsts, Dubrovnik, Cavtat, Croatia.
- Jeremias, F.T. e Muralha, J. (2010) – Rock fall study of the Nazaré beach cliffs through in situ tests. 11th IAEG Congress, Geologically Active, Auckland, New Zeland.
- Lamas, L.; Muralha, J. e Figueiredo, B. (2010) – Application of a global interpretation model for assessment of the stress field for engineering purposes. 5th International Symposium on In-situ Rock Stress – ISRS V, Beijing, China. (Paper selected for the ISRM News Journal , Vol. 13, December 2010).