

Keynote Lecture

Surface Life: The Next Challenge in Rolling Bearings and Other Heavily Loaded Lubricated Contacts?

Name: Guillermo Enrique Morales Espejel

Nationality: Mexican

Born: 50 years ago

Scientific degrees:

1983 – BS Degree in Mechanical Engineering at Instituto Tecnológico de Querétaro, Querétaro México.

1987 – M Eng. in Mechanical Engineering at Instituto Tecnológico de Monterrey (ITESM), Monterrey México.

1993 – PhD in Tribology at the Engineering Department, University of Cambridge, U.K.

Actual position:

- Senior Scientist at SKF Engineering & Research Centre, Nieuwegein, Holland (2005-present).

- Visiting Professor INSA de Lyon (2005-present).

Areas of interest in research:

EHL, roughness, dry contact, wear, surface fatigue, mixed-lubrication, friction, modeling.

Current Areas at SKF:

Bearing life, bearing friction, surface life.

Participation in R&D projects:

Participation in more than 30 research projects from which was responsible in more than 20. Now is leading 2 national funded projects and is responsible at Portugal for 3 international projects from the 7th Framework Programme of EU. Companies are integrated in the consortiums of these projects.

Other activities:

- Industrial consultant 1995-2000.
- Associate Professor ITESM, Monterrey, México 1995-2000.
- Researcher at SKF Engineering & Research Centre, Nieuwegein, Holland (2000)
- Habilitation à Diriger des Recherches (INSA-Lyon) (2008).

Publications

Refereed Publications about 50, and some chapters in books.

Patents

About 10.