



ISMAIL EL MAACH
SENIOR BIOMECHANICAL ENGINEER
INJURY GROUP

MASc, Biomedical Engineering, 1998
BSc, Manufacturing Automation
Engineering, 1995
Registered Professional Engineer

Ismail El Maach is a Senior Engineer in MEA's Injury Group in Toronto. He is responsible for conducting biomechanical analyses of injury producing incidents including those to assess loads applied to the body, injury mechanics and causation, and the relationship between the applied loads and the injury.

Mr. El Maach brings more than 13 years of experience in mechanical characterization of human tissues, ergonomics and human factors.

Areas of Specialization

- Injury mechanics/causation
- Human Factors
- Sports injuries
- Slip and fall/recreational incidents

Professional Affiliations

MEA staff are members of various professional organizations. A current listing can be found on our website www.meaforensic.com.

Select Publications

El Maach I, Dionne J-P, Makris A. New Model for Survivability Predictions for Simulated Free Field Blast, 19th International, Symposium on Military, Aspects of Blast & Shok, Calgary, AB October 1-6. 2006

Dionne J-P, Makris A, El Maach I. Blast- Induced Traumatic Brain Injury: An Engineering Approach, Personal Armor Systems Symposium, Leeds, U.K, September 18-22, 2006

El Maach I, Kessler C., Jetté F-X, Dionne J-P. Forces Resulting from Bat Impact on the Chest of Adult human Hybrid do not Depend on the Torso Inertia, XXII International Symposium on Sport Biomechanics, Ottawa, ON August 9-12, 2004

Kessler C, El Maach I, Dionne I, Truttmann I, Makris I. Realistic Testing of Helmet against Projectiles, Conference of the American Society of Biomechanics Toledo, Ohio, September 25-27, 2003

Morelli M, Harris PG, Fowles JV, Boudreault F, El Maach I, Yahia A. Mechanical Comparison of the Immediate Stability of Three Fixation Devices Used in Wrist Arthrodesis: A Cadaveric Study. Journal of Hand Surgery 1999, 24A:828-834

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