



**GUNTER P SIEGMUND**  
**PRESIDENT, SENIOR ENGINEER**  
**INJURY BIOMECHANICS**

Dr. Siegmund is a Senior Engineer in MEA's Injury Biomechanics Group, where he evaluates the causal relationship between injuries and applied forces. Dr. Siegmund is also the President of MEA Forensic Engineers & Scientists.

**Credentials**

PhD, Biomechanics, 2001  
BASc (Honours), Mechanical Engineering, 1986  
Professional Engineer (BC & Ontario)

**Areas of Specialization**

- Whiplash injury
- Spine and head injuries
- Human performance
- Slip and fall injuries
- Injury causation
- Bicycle collisions

**Professional Affiliations**

MEA staff are members of various professional organizations. A current listing can be found on our website [www.meaforensic.com](http://www.meaforensic.com).

**Research Activities**

Dr. Siegmund leads MEA's extensive research program and has published over 80 scientific articles and abstracts. Dr. Siegmund is on the Editorial Board of the Journal of Whiplash & Related Disorders, conducts peer-reviews for various archival journals and granting agencies, and is an Adjunct Professor at the University of British Columbia. His current research is focused on the

neuromuscular responses to whiplash, startle, and slip and fall events.

**Selected Publications**

Blouin JS, Inglis JT, Siegmund GP (2006). Startle responses elicited by whiplash perturbations. *Journal of Physiology* 573.3, pp.857-267.

Siegmund GP, Heiden TL, Sanderson DJ, Inglis JT, Brault JR (2006). The effect of subject awareness and prior experience on tribometer-based predictions of slip probability. *Gait & Posture* 24(1), pp. 110-119.

Siegmund GP, Heinrichs BE, Chimich DD, Lawrence JM (2005). Variability in vehicle and dummy responses in rear-end collisions. *Traffic Injury Prevention* 6, pp. 267-277.

Siegmund GP, Chimich DD, Heinrichs BE, DeMarco AL, Brault JR (2005). Variations in occupant response with seat belt slack and anchor location during moderate frontal impacts. *Traffic Injury Prevention* 6, pp. 38-43.

**Contact:** [gunter.siegmund@meaforensic.com](mailto:gunter.siegmund@meaforensic.com)