



**ELVIS CEPUŠ**  
**PROJECT ENGINEER**  
**PRODUCT, PROPERTY & PREMISES GROUP**

PhD, Metals and Materials Engineering, 2003  
MScME, Mechanical Engineering, 1995  
BASc, Mechanical Engineering, 1992  
Registered Professional Engineer

Elvis Cepuš joined MEA Forensic Engineers and Scientists in 2005. He conducts failure analyses on a variety of component and machine failures. Examples are metallic and plastic plumbing and fire protection system components, ladder mishaps, transmission bearings, metallic and plastic fastener failures, and automotive component failures.

Dr. Cepus is also experienced in crane design, including weld design, steel selection and maintenance procedures, and in ballistic armour performance, including testing and analytical modeling.

**Areas of Specialization**

- Product Litigation
- Metallurgy
- Material failure
- Mechanical failure
- Response of ballistically/dynamically loaded structures
- Composite material failures
- Textile materials

**Professional Affiliations**

- Society for the Advancement of Materials and Process Engineering

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

**Select Publications**

WR Novotny, E Cepuš, A Shahkarami, R Vaziri\* and A Poursartip (2005). Numerical Investigation of the Ballistic Efficiency of Multi-Ply Fabric Armours During the Early Stages of Impact. International Journal of Impact Engineering. (in press)

W. Novotny, E. Cepuš, A. Shahkarami, R. Vaziri, A. Poursartip (2005). Numerical modelling of the early impact behaviour of multi-ply fabric armours. WIT Transaction on Engineering Science, Vol. 49, Impact Landing of Lightweight Structures, pp 403-420.

C Wonderly, J Grenestedt, G Fernlund, E Cepuš (2005). Comparison of mechanical properties of glass fiber/vinyl ester and carbon fiber/vinyl ester composites. Composites B, 36(5), pp. 417-426.

D Starratt, T Sanders, E Cepuš, A Poursartip, R Vaziri (2000). An efficient method for continuous measurement of projectile motion in ballistic impact experiments. International Journal of Impact Engineering, 24(2) pp. 155-170.

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