

Design by Experiment

(online short course - 10 hrs)

Lecturer: Prof. Dr. Lajos Borbás

E-mail: borbas.lajos@edutus.hu

Topics:

1. *Classification of strain /stress analysis methods*

The role, importance of the different experimental methods

The most important methods

2. *Comparison of different experimental methods*

Comparison between/of numerical and experimental methods

3. *Photostress Analysis*

Modell investigation

Photoelastic coating technique. Improvement of the construction,

Development of strain – stress state during the loading process:
monitoring possibilities of the failure procedure

Special – biomechanical – applications