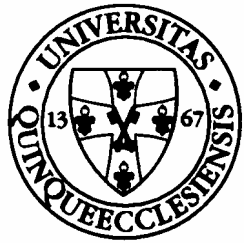


Készült az ERFP – DD2002 – HU – B – 01 szerzőségi számú projekt támogatásával



**University of Pécs (UP)**  
Pollack Mihály Faculty of Engineering (PMFE)

# **STABILITY ANALYSIS OF STEEL STRUCTURES**

by

**Prof. Miklós IVÁNYI**  
**University of Pécs**  
Pollack Mihály Faculty of Engineering  
Hungary

# Contents

1. Introduction
2. Plane Buckling of Struts
3. Stability Functions
4. Concepts and Applications of the Imperfect Steel Frames
5. Spatial Buckling of Struts
6. Elastic Critical Plate Buckling Loads
7. Behaviour of Plate Elements of Steel Frames
8. Stability and Ductility of Steel Frames
9. Semi-Rigid Connections in Steel Construction
10. Stability and Ductility of Steel Frames with Semi-Rigid Connections
11. References