AUTODESK UNIVERSITY 2014

Seismic Analysis in Robot Structural Analysis Professional

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SE5932

In this session we will cover seismic design capabilities that are included in Robot Structural Analysis Professional software. We will explore seismic analysis based on both lateral force and response spectrum methods. Topics will include seismic analysis based on lateral force method; seismic analysis based on response spectrum method; modal analysis; definition of automatic design combinations considering static load cases and dynamic combinations; and specific results for the core walls and the building stories.

Learning Objectives

At the end of this class, you will be able to:

- Learn how to conduct modal analysis in Robot Structural Analysis software
- Explore the results of modal analysis in Robot Structural Analysis software
- Learn how to conduct seismic analysis in Robot Structural Analysis software
- Explore the results of seismic analysis in Robot Structural Analysis software

About the Speaker

Marius Jablonskis is a certified structural engineer highly experienced in Building Information Modeling (BIM) concept development and implementation, workflow optimization, finite element analysis and simulations. He's currently engaged as Senior Consultant BIM in Norconsult, a leading Norwegian interdisciplinary engineering and design consultancy. He has consulted and trained structural engineering professionals for more than 8 years to Autodesk® Robot™ Structural Analysis, Autodesk® Simulation Mechanical, Autodesk® Simulation CFD, AutoCAD® Structural Detailing, Revit®, Autodesk® Inventor® Professional and Autodesk® Navisworks® Manage.

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Handout will be made available after AU session

For this lecture, there is no handout as the lecture will be recorded and made available for viewing and downloading after the AU session.
Feel free to contact me for more information on marius.jablonskis@norconsult.com