



Код: 11005

Andrey Shakhramanyan, Joost Kuckartz, Yuri A. Kolotovichev

# Modern Structural Monitoring Systems for High-Rise and Unique Buildings

Берлин, Германия, 2012 год

7 стр; формат: 23,5 x 16 см; библиографический список: 3 единицы

An automated system for building structural monitoring is developed. The system allows for real-time condition and status information of a building. Through the sensory equipment different building parameters are obtained and processed in a special software package.

The software package is based upon mathematical model rules, which for the most critical components set limits for structural safety. The mathematical model is verified with real-time measurements and consequently used in the real-time structural modelling system.

Доклад. Конференция по мониторингу технического состояния гражданских сооружений (CSHM-4), «Системы мониторинга технического состояния сооружений, обеспечивающие продление срока службы сооружений». Ноябрь, 2012. Берлин. Германия.

## Ключевые слова:

## Содержание

- Abstract
- Introduction
- 2. Structural monitoring system
- 3. Example structural monitoring application
- Conclusion
- Acknowledgment
- References