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Precis for the 7th year of the international conference HIGH-RISE BUILDINGS OF EUROPE on the theme: Facility management – intelligence of high-rise buildings

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Title of the contribution:

The main factors influencing the shape and size of reflected solar glare area generated by high-rise buildings façades.

Contents:

The reflection glare from the glossy concave façades presents considerable hazard, especially when solar control glass with high reflectance factors is used. The purpose of this lecture is to present main factors influencing the shape and size of reflected solar glare area that include: sun path, building location, façade size and shape, type to the glass. An important factor is also a way that façade's surface is modelled, whether its surface is smooth, or consists of the approximated facets. Glare affected ground area likewise the glare intensity have been showed and compared in various scenarios, including some case studies as well.

Keywords: solar glare, high-rise building, building's façade



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Please send us the precis not later than 30. 7. 2011

You will be informed about your registration until 30. 8. 2011

Please send you PowerPoint presentation before 30. 9. 2011

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