

OPTICAL RADIATION HAZARD  
EVALUATION ON "HOT" WORKPLACES  
IN INDUSTRY – CHOSEN PROBLEMS

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**ABSTRACT** *The article presents main problems related to measurements of optical radiation on "hot" workplaces, which are needed for hazard evaluation. On the base of results of measurements and hazard evaluation on workplaces in different foundries (steel, glass, aluminum, cast iron processing) the real occupational hazard was presented. The thermal hazard of cornea and lens was the most often stated on these workplaces. From the other hand the thermal and photochemical hazard of retina and photochemical hazard of lens arising from UVA was not stated at all. The range of hazard evaluation on these workplace and some guidelines on measurements manner were proposed.*

**Keywords:** *Optical radiation, technological temperature sources of radiation, evaluation of skin an eye hazard, "hot" workplaces*