

## Mezinárodní konference FIRE SAFETY 2011

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### Publikované a přednesené sdělení

J. Procházka: Polovodičové detektory nabízí nové možnosti pro oblast jaderné bezpečnosti. In: Fire Safety 2011. ZSVTS, Bratislava 2011, CD-ROM, 14p.

**Abstract:** The paper deals with detectors of hazardous radiation or ionising radiation. As hazardous radiation it is considered roentgen and gamma radiation. Firstly, detectors are divided into several groups according to time complexity of measured information, principle and detection time course. Further, there are characterized important parameters of detection instruments, namely from the both viewpoints, the physical and the user. The paper in detail deals with group of detectors denoted as electronic (ionising, scintillation and semiconductor). At the end there is given extract of recent technological detectors, specifically the CdTe.