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## **Teledyne ICM - CMOS Imaging Technology for NDT Applications**

*Monday, 23 April 2018 15:20 (20 minutes)*

Speaker: Thorsten Achterkirchen

Abstract: CMOS image sensors are today dominating the field of commercial and consumer photography, and are rapidly making inroads into medical and industrial x-ray imaging. For non-destructive radiographic testing, CMOS technology offers high spatial resolution, fast frame rates and superb image quality, allowing radiographers in fields ranging from Oil & Gas to Aerospace to replace their aging stockpiles of film with convenient, state-of-the-art digital imagery. This talk will discuss some of the fundamentals of large-area CMOS x-ray imagers, and highlight specific application examples where CMOS technology has been used to solve real-world NDT problems.

**Presenter:** ACHTERKIRCHEN, Thorsten

**Session Classification:** Technologies from Academia