

Ph.D. Course in Materials Science and Nanotechnology

University of Milano-Bicocca, Department of Materials Science, via Cozzi 55, 20125 Milano

November 26, 2021 – 11.00 a.m.

Seminar room - Department of Materials Science U5



Dr. Paul Schotanus

Managing Director of SCIONIX, Holland



Scintillation detectors in Industrial applications: A practical approach

Scintillation detectors are used on a broad scale in a great variety of industrial applications and processes ranging from simple densitometry to more complex spectroscopic analysis in, for example, online elemental analysers.

Each applications poses its specific requirements on the type of scintillator and sensor. In this seminar, an overview is presented of the current use of scintillators in typical industrial (non-scientific) applications. We will present some typical properties of commercially available “industrial” scintillation materials with their key performance indicators.

Furthermore, we will discuss how far the use of “novel” scintillators has actually progressed into industrial applications and what the current needs are with respect to materials and light detectors.

The important question “what is next” will be addressed with respect to scintillation materials and how the search for new materials is driven these days.

PhD students and all interested in the seminar are kindly invited to participate.

The PhD Coordinator
Prof. Marco Bernasconi