

3rd International Summer School on INtelligent Signal Processing for FrontIEr Research and Industry

Monday 14 September 2015 - Friday 25 September 2015

**Hamburg
Programme**

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Intelligent Front-End Processing on Instruments (cont'd) - Auditorium III 2nd Floor **(08:45-13:00)**

Smart tracking devices are another case both for HEP and also some spatial Experiments. Today lecture will address large area tracking devices built with Silicon strips or strixels (short strips) being developed for future High Energy Experiments at HL-LHC or future colliders. The Physics motivations and related performance leading to the need of high tech devices will be discussed together with the use of the high tech introduced Day 2, including sometime novel triggering capability.

Laser Interferometric based instruments for Gravitational Waves experiments will be the other on detector application.

time	title	presenter
08:45	On-detector High Signal Processing for next generation HEP trackers : TRACK TRIGGERING, NO	COLLINS, Paula
09:45	PROCESSING the SIGNALS from PIXEL DETECTORS in X-RAY IMAGING at FELs	RATTI, Lodovico
11:15	Coffee	
11:35	Signal Processing for Gravitational Waves Experiments	HALLOIN, Hubert