

KINT SYMPOSIUM 2019



KINT

Dutch Quality Surveillance and Non-Destructive Testing Society

FIRST ANNOUNCEMENT & CALL FOR PAPERS

KINT SYMPOSIUM 2019

**Phased Array Ultrasonic Testing (PAUT)
of welds in thin-walled materials**

October 30 and 31, 2019

**Enquiries, abstracts and registrations:
info@kint.nl**

**Venue Shell Amsterdam, The Netherlands
Symposium language: English**

KINT symposium 2019

The objective of this symposium is to share results of the **KINT SKOP project “Development of Acceptance Criteria for the mechanised UT Phased Array Technique on welds in thin walled ferritic steel”** and offer an opportunity to exchange knowledge with similar efforts elsewhere.

The Project

With the introduction of small portable Phased Array Ultrasonic Testing (PAUT) systems, the replacement of radiography by ultrasonic inspection techniques for testing of welds in thin-walled steel components has become a promising proposition. PAUT differentiates from Radiographic Testing (RT) as it does not involve ionising radiation and therefore improves safe working conditions. ‘Plot clearance’ is usually required to mitigate radiation risks connected with RT, preventing other activities to take place. Especially in larger construction projects (heat exchangers, boilers, piping et cetera), the potential of PAUT for improving project efficiency is considerable.

Over the past few years, several equipment suppliers have developed crawler based systems that enable the application of PAUT testing of welds in thin-wall (3.2 – 8 mm) ferritic steel material. During a preceding KINT project, a PAUT technique description was developed, which resulted in a base document for ISO Standard (ISO/DIS 20601:2017).

Following on from the technique description, the current PAUT project, aimed to be proposed for an ISO Standard as well has been carried out. The project was carried out by the research and development foundation (SKOP) of the Dutch society for Quality Surveillance, Inspection and Non-Destructive Testing (KINT). The results will be presented during this KINT symposium..

The project was sponsored by a group of 27 companies including all major Dutch NDT service providers, a power plants consortium and leading international oil & gas and chemical companies.

Researchers, equipment suppliers, practitioners, interested to present similar work and/or findings during the symposium are warmly invited to submit their abstract before 19-04-2019 to info@kint.nl

We are also giving you the opportunity to present your products and services via table top sessions. Prices and terms will be communicated soon. If you are interested, please let us know and send an e-mail to info@kint.nl