



**73nd IIW Annual Assembly - COMMISSION V
NDT and Quality Assurance of Welded Products**

**Agenda of the Technical Meetings of Commission V,
NDT and Quality Assurance of Welded Products**

ON-LINE-ANNUAL ASSEMBLY, July 15th – July 25th , 2020

Monday July 20th , 2020: 13:00 – 16:00

13:00 – 13:20 Opening of the Meeting, *Marc Kreuzbruck*
Adaption of the Agenda, Marc Kreuzbruck

V-1905-20 Annual Report of Commission V, *Marc Kreuzbruck* (20 min)
Remarks

Sub-commission VA Radiographic Based Weld Inspection Techniques, *Uwe Zscherpel*
13:20 – 14:00

V-1906-20 Annual Report of Sub-commission VA, *Uwe Zscherpel* (20 min)

V-1907-20 Recent Developments, Uwe Zscherpel (20 min)

Sub-commission VC Ultrasonic Based Weld Inspection Techniques, *Channa Nageswaran*
14:00 – 15:00

V-1908-20 Annual Report of Sub-commission VC, *Channa Nageswaran* (20 min)

V-1909-20 Resolution RD005 FDIS 23864, 23865

V-1910-20 Report WG Handbook (20 min)

V-1911-20 Convolutional Neural Network (CNN) approach to inspecting cladding, NN (20 min)

Sub-commission VE Weld Inspection techniques based on Electrical, Magnetic, and Optical Methods, *Matthias Pelkner*
15:00 – 16:00

- V-1912-20 Annual Report of Sub-commission VE, *Matthias Pelkner* (20 min)
- V-1913-20 Experimental proof of diagnostic parameters used in the MMM technique, Anatoly Dubov, Alexandr Dubov, Peter Ladany, Artem Marchenkov, Sergey Kolokolnikov, (20 min)
- V-1914-20 Annual Report Working Group ECA- Eddy Current Arrays, *Casper Wassink* (20 min)

Tuesday July 21th , 2020: 13:00 – 16:00

Sub-commission VD Structural health monitoring, *Bastien Chapuis*
13:00 – 14:00

- V-1915-20 Annual Report of Sub-commission VD, Bastien Chapuis (20 min)
- V-1916-20 Deep learning for defect characterization using guided waves based SHM system in composites, Olivier Mesnil, Roberto Miorelli, Clément Fisher, Oscar d'Almeida (20 min)
- V-1917-20 Passive guided elastic waves tomography for pipe corrosion monitoring; Huu Tinh Hoang, Tom Druet, Emmanuel Moulin, Bastien Chapuis (20 min)

Sub-commission VF NDT reliability including Simulation of NDT Techniques, *Pierre Calmon*
14:00 – 15:00

- V-1918-20 Annual Report of Sub-commission VF, *Pierre Calmon* (20 min)
- V-1919-20 Ultrasonic Array Imaging in Anisotropic Steel Components with Unknown Properties using Optimization Algorithms, Corentin Menard, Sébastien Robert, Dominique Lesselier (20 min)
- V-1920-20 Simulation and numerical data basis for machine learning : Application to the analysis of ultrasonic welds inspection, Stéphane Leberre, David Roué, Xavier Artusi (20 min)

15:00 WitW Presentation – prerecorded, John C. Lippold