



INTERNATIONAL INSTITUTE OF WELDING

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Doc. No: V-1960-22

**75<sup>nd</sup> 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**

**TOKYO-ANNUAL ASSEMBLY, July 19<sup>th</sup> – July 20<sup>th</sup> , 2022**

**Tuesday July 19<sup>th</sup> , 2020: 14:00 – 18:00 (local time Tokyo, 7:00 - 11:00 CET)**

**14:00 – 14:40 Opening of the Meeting, *Marc Kreuzbruck***

Adaption of the Agenda, Marc Kreuzbruck

V-1961-22 Annual Report of Commission V, *Marc Kreuzbruck* (20 min)  
Remarks

V-1962-22 *Multi-faceted Evaluation of Dissimilar joining between high tensile strength steel plate and aluminum plate using useful new non-destructive method,*  
Y. Futamata, T. Hashimoto, N. Kakio, S. Yoshimia,  
Shimadzu Corporation, Kyoto, Japan (20 min)

**Sub-commission VA Radiographic Based Weld Inspection Techniques, *Uwe Zscherpel***

**14:40 – 15:20**

V-1963-22 Annual Report of Sub-commission VA, *Uwe Zscherpel* (20 min)

V-1964-22 *Binary classification of welding defects based on deep learning,*  
Xiaopeng Wang, Beijing Institute of Technology (20 min)

**Sub-commission VC Ultrasonic Based Weld Inspection Techniques, *Channa Nageswaran***

**15:20 – 16:20**

V-1965-22 Annual Report of Sub-commission VC, *Channa Nageswaran* (20 min)

V-1966-22 *Nonlinear Ultrasonic Testing for the inspection of adhesive bonded joints,*  
Marc Kreuzbruck, Igor Solodov, Yannick Bernhard and Mike Kornely, University of  
Stuttgart, Germany (20 min)

V-1967-22 *Evaluation of AI trained by simulation for automatic diagnostic on ultrasonic TFM inspection of welded parts*, S. Le Berre, D. Roué, X. Artusi, C. Reboud, CEA France (20 min)

**Sub-commission VE Weld Inspection techniques based on Electrical, Magnetic, and Optical Methods, *Matthias Pelkner***  
**16:30 – 17:40**

V-1968-22 Annual Report of Sub-commission VE, *Matthias Pelkner* (20 min)

V-1969-22 Annual Report Working Group ECA- Eddy Current Arrays, *Casper Wassink* (20 min)

V-1970-22 *Non-destructive testing of honeycomb panels by shearography method*, Leonid Lobanov, Oleksii Shutkevych, Viktor Savitsky, Iryna Kyianets and Yaroslav Borovyk, PWI, Ukraine (20 min)

V-1971-22 Election:  
new head of sub commission VE (10 min)

**Wednesday July 20<sup>th</sup> , 2020: 14:00 – 18:00**

**Sub-commission VD Structural health monitoring, *Bastien Chapuis***

**14:00 – 15:00**

V-1972-22 Annual Report of Sub-commission VD, Bastien Chapuis (20 min)  
Discussion Progress in SR18211 (V-1950-22, V-1951-22, V1952-22)

V-1973-22 *Rail monitoring and its environmental impact*, B. Chapuis, O. Mesnil, CEA, France (20 min)

V-1974-22 *Progress in Magnetic Metal Memory*, Anatoly Dubov A., Kolokolnikov S, Energodiagnostika, Russia (20 min)

**Sub-commission VF NDT reliability including Simulation of NDT Techniques, *Pierre Calmon***  
**15:00 – 16:40**

V-1975-22 Annual Report of Sub-commission VF, *Pierre Calmon* (20 min)

V-1976-22 On UT modelling approaches in microstructured and textured materials: Application on austenitic welds and simulation comparisons on micro and macro-scale descriptions, N. Leymarie, V. Dorval, A. Imperiale, E. Demaldent, CEA, France (20 min)

V-1977-22 Recent developments in *NDE 4.0* , Johannes Vrana, Vrana GmbH, Germany (20 min)

V-1978-22 *Improvement of 3D-Active Thermography by using Artificial Intelligence* Johannes Rittmann, Marc Kreutzbruck, University of Stuttgart, Germany (20 min)

V-1979-22 Performance demonstration using simulation for pipe girth weld AUT inspection, S. Le Berre, A. Gardahaut, CEA, France (20 min)

**Conclusion of the Meeting**