



## **EVERYTHING VIBRATES**

### **STRAINS ON ARTWORKS AND CULTURAL ARTIFACTS THROUGH MECHANICAL VIBRATION AND IMPACTS**

#### **SYMPOSIUM**

**JUNE 29 & 30, 2018**

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#### **Friday, June 29, 2018 | 1 pm to 6 pm**

1 pm–1:10 pm | Welcome by Dr. I. Herold, deputy director of Kunsthalle Mannheim

1:10 pm–1:15 pm | Introduction to the subject by K. Radermacher, conservator at Kunsthalle Mannheim

1:15 pm–1:45 pm | K. Radermacher, D. Hedinger (independent conservator, Stuttgart) | “The Restoration of Beckmann’s Carnival”

2 pm–2:30 pm | Dr. K. Kracht | “Theory Required! Fundamental of Vibrations, Vibration Loads, and Remedial Measures”

2:30 pm–3 pm | Dr. K. Kracht | “Vibration Investigations of Beckmann’s Carnival”

3 pm | Coffee break in the lobby

3:30 pm–4:30 pm | Practical Session | “Vibration, Works of Art, and Cultural Artifacts”

- Measuring vibrations in paintings Vibrations during different forms of transportation
- Measuring floor vibrations
- Measuring pedestal vibrations

Bruynzeel Storage Systems: “Presentation of Anti-Vibration Products for Preserving Artworks and Cultural Artifacts”

Evening meal at Rheinterrassen Gasthaus am Fluss



**Saturday, June 30, 2018 | 10 am to 4 pm**

9:30 am | Meet and welcoming remarks

10 am–10:30 am | Dr. W. Wei (Cultural Heritage Agency, Amsterdam) | “The Effect of Vibrations and Cyclical Impact Loads on the State of Objects: Limits and Practical Solutions”

— 10:30 am–11:00 am | M. Dubus (Institut national du patrimoine, Paris) | “A ‘Vibrational Reference’ for Collections in Transit”

11 am–11:30 am | N. Bäschlin, M. Läuchli (Kunstmuseum Bern) | “Monitoring Vibration During Transport: Implications for Museums”

11:30 am–12 pm | L. Sauvage (Rijksmuseum Amsterdam) | “Transport of Pastel Paintings: Fatigue Damage Due to Vibrations”

12 pm–12:30 pm | Open discussion with speakers

12:30 pm–1:30 pm | Lunch break

1:30 pm–2 pm | A. Johnson (Wiss, Janney, Elstner Associates, Inc. Chicago) | “U.S. Practice in Vibration Control at Museums | Predicting Vibrations Using Preconstruction Testing”

2 pm–2:30 pm | Dr. G. Gülker (Universität Oldenburg): “Good Vibrations | Identifying Cavities in Frescoes Using Digital-Holographic Vibration Assessment”

2:30 pm–3 pm | Prof. T. Kletschkowski (Hamburg University of Applied Sciences) | “Measuring Vibrations of Elastic Continua: The Art of Modeling”

3 pm–3:30 pm | Coffee break and discussion

3:30 pm–4 pm | Group tours of the museum and the restoration workshop