

Organization and Contributors

The following contributors have kindly agreed to speak:

- Ludwig Bauer, M.A., Deutsches Museum, Munich, Germany
- Prof. Dr. Guillaume de Syon, Albright College, Reading PA, USA
- Dr. Frank Dittmann, Deutsches Museum, Munich, Germany
- Nicole Hesse, M.A., Karlsruhe Institute of Technology (KIT), Germany
- Prof. Dr. Matthias Heymann, Aarhus University, Denmark
- Elisabeth Kölmel, M.A., University of Wuppertal, Germany
- Prof. Dr. Timo Leimbach, Aarhus University, Denmark
- PhD cand. Simon Lobach, Geneva Graduate Institute (IHEID), Geneva, Switzerland
- Dr. Ing. habil. Bernd Lychatz, TU Bergakademie Freiberg, Germany
- Dr. Marius Mutz, University of Augsburg, Germany
- PD Dr. Sybilla Nikolow, University of Bielefeld, Germany
- Dr. Panagiotis Poulopoulos, Deutsches Museum, Munich, Germany
- Prof. Dr. Manfred Rasch, Ruhr-University of Bochum, Germany
- PhD cand. Boyd Ruamcharoen, Massachusetts Institute of Technology (MIT), Cambridge MA, USA
- Sandra Schiller, GF Piping Systems, Schaffhausen, Switzerland
- Ralf Spicker, M.A., Deutsches Museum, Munich, Germany
- Dr. des Malte Stöcken, University of Bielefeld, Germany
- Claudia Sutter, M.A., Rechtsquellen SH, Schaffhausen, Switzerland

Scientific Board:

- Prof. Dr. Gisela Hürlimann, TU Dresden, Germany
- Prof. Dr. Marcus Popplow, Karlsruhe Institute of Technology (KIT), Germany
- Prof. Dr. Friedrich Steinle, Technical University Berlin, Germany

Host and organization:

Franziska Eggimann and the team of Iron Library and Corporate Archives of Georg Fischer Ltd, Schlatt/Schaffhausen, Switzerland

Conference languages:

The conference will be held in English and German.
English summaries of the German papers will be provided.

An event of the Iron Library Foundation, Schlatt, with the generous support of Georg Fischer Ltd, Schaffhausen

Participation by invitation only

All information according to planning, June 27, 2023.
Program changes are possible.

Contact

Iron Library
Klostergut Paradies
8252 Schlatt, Switzerland
Tel. +41 52 631 27 44
eisenbibliothek@georgfischer.com
www.eisenbibliothek.ch

Venue

Klostergut Paradies
Klostergutstrasse 4
8252 Schlatt, Switzerland
www.klostergutparadies.ch

Photo: Material strength testing in the Georg Fischer research laboratory in Schaffhausen, 1931 (Corporate Archives of Georg Fischer Ltd)

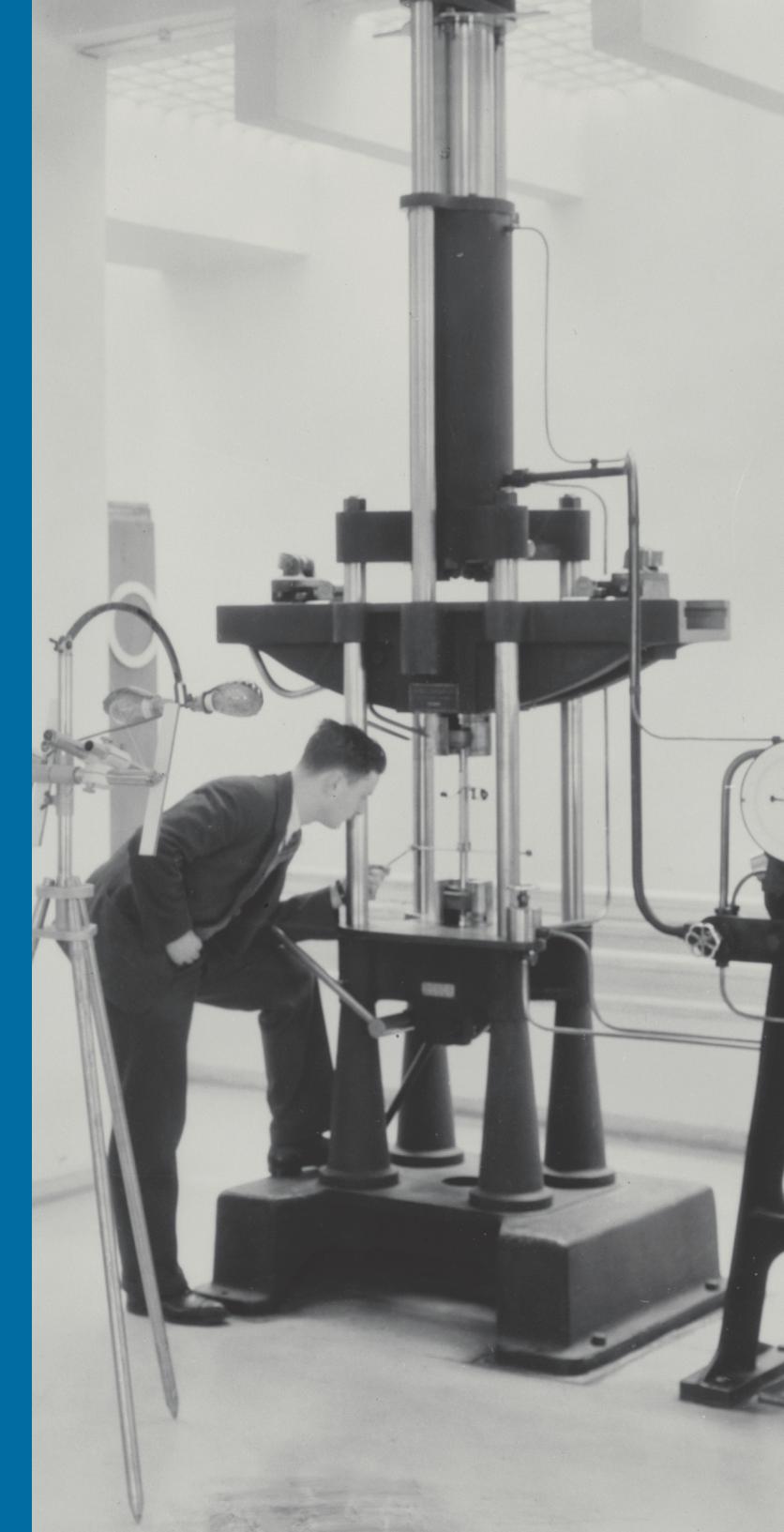
Good, Durable, Safe. Quality and Safety Requirements of Technology in History

43rd History of Technology Conference of the Iron Library

Gut, haltbar, sicher. Ansprüche an Qualität und Sicherheit von Technik in der Geschichte

43. Technikgeschichtliche Tagung der Eisenbibliothek

Friday 17 and Saturday 18 November 2023
Klostergut Paradies, Schlatt, Switzerland



Conference Program

Thursday, 16 November 2023

Arrival (individually)

As of 18.30	Pre-conference lecture and reception (optional) in cooperation with the Vortragsgemeinschaft Schaffhausen Frank Dittmann, Munich Strom und Sicherheit – eine lange Geschichte [Electricity and safety – a long history] An apéro riche will be offered after the lecture. The lecture and apéro are open to the public. All conference participants are also welcome to attend. Lecture venue: Rathauslaube, Rathausbogen 10, Schaffhausen Reception (apéro riche): Hotel Kronenhof, Kirchhofplatz 7, Schaffhausen
-------------	---

Friday, 17 November 2023

Klostergut Paradies, Schlatt

8.00	Transfer from Schaffhausen to the Klostergut Paradies
8.30	Georg Neuschütz, Vice President Business Development, GF Casting Solutions Welcome and official opening of the conference
8.45–10.00	Quality control by municipal and court authorities in the early modern period Qualitätskontrolle durch städtische und höfische Obrigkeit in der frühen Neuzeit Moderator: Marcus Popplow Marius Mutz, Augsburg Qualität, Quantität und Ordnung. Die Prüfung von Technik am kursächsischen Hof und die Etablierung einer dynastischen Trademark [Quality, quantity and order. The testing of technology at the Electoral Court of Saxony and the establishment of a dynastic trademark]
12.15	Lunch in the refectory
13.45–15.00	Control over steam and wind: the operational safety of power machines Kontrolle über Dampf und Wind: Betriebssicherheit von Kraftmaschinen Moderator: Gisela Hürlmann

10.00	Claudia Sutter, Schaffhausen Kontrolle durch Fachleute? Gesetzgebung für die Schaffhauser Schmiede in Mittelalter und Früher Neuzeit [Control by experts? Legislation for the Schaffhausen blacksmiths in the Middle Ages and early modern period] Discussion	10.30–12.15	Panagiotis Poulopoulos, Munich Optimising Operation, Reducing Risk: Aspects of Quality and Safety in the Development of the Steam Engine Nicole Hesse, Karlsruhe Sicherheit und Effizienz: Windenergienutzung im Spannungsfeld von Ressourcenbedingungen und Technikentwicklung seit 1900 [Safety and efficiency: Wind energy use in the field of tension between resource conditions and technological development since 1900] Discussion	15.00	Nicole Hesse, Karlsruhe Sicherheit und Effizienz: Windenergienutzung im Spannungsfeld von Ressourcenbedingungen und Technikentwicklung seit 1900 [Safety and efficiency: Wind energy use in the field of tension between resource conditions and technological development since 1900] Discussion	15.30–16.45	Panagiotis Poulopoulos, Munich Optimising Operation, Reducing Risk: Aspects of Quality and Safety in the Development of the Steam Engine Nicole Hesse, Karlsruhe Sicherheit und Effizienz: Windenergienutzung im Spannungsfeld von Ressourcenbedingungen und Technikentwicklung seit 1900 [Safety and efficiency: Wind energy use in the field of tension between resource conditions and technological development since 1900] Discussion	16.45	Ralf Spicker, Munich Eine Wissensgeschichte über die Versuche A. Wöhlers und ihre Etablierung als Methode der Werkstoffprüfung [A history of knowledge of the experiments of A. Wöhler and their establishment as a method of materials testing]	17.15–18.45	Guillaume de Syon, Reading PA Safety, Speed and New Standards: Building an Engineering Culture around the Concorde Prototypes Discussion	18.45	Bernd Lychatz/Manfred Rasch, Freiberg/Bochum Von der Zerreißprobe über den Röntgenapparat zum Elektronenmikroskop/EBCS: Qualitätssicherung in Industrie und Wissenschaft in der Eisenhüttenkunde in Deutschland [From the tensile test to X-ray apparatus and the electron microscope/EBCS: Quality assurance in industry and science using the example of iron metallurgy in Germany]	19.00	Guillaume de Syon, Reading PA Safety, Speed and New Standards: Building an Engineering Culture around the Concorde Prototypes Discussion	12.00	Sybilla Nikolow, Bielefeld «Ein zur Arbeit brauchbares Ersatzglied schaffen». Ansprüche an die Armprothetik im Ersten Weltkrieg [“To create a substitute limb suitable for work”. Demands on arm prosthetics in the First World War]	12.15	Malte Stöcken, Bielefeld Erforschung und Prüfung von Metallen für Behörden, Industrie und Militär: Das preußische Materialprüfungsamt 1871–1945 [Research and testing of metals for authorities, industry and the military: The Prussian Materials Testing Office 1871–1945]	10.15	Guillaume de Syon, Reading PA Safety, Speed and New Standards: Building an Engineering Culture around the Concorde Prototypes Discussion	10.45–12.00	Guillaume de Syon, Reading PA Safety, Speed and New Standards: Building an Engineering Culture around the Concorde Prototypes Discussion	12.30	Matthias Heymann, Aarhus Conclusion and closing remarks	13.30	Franziska Eggemann, Iron Library Closing words
Saturday, 18 November 2023																											
Klostergut Paradies, Schlatt																											
8.00	Transfer from Schaffhausen to the Klostergut Paradies																										