

Organization and Contributors

The following contributors have kindly agreed to speak:

- Prof. Regina Lee Blaszczyk, University of Leeds UK
- Dr. BuYun Chen, Max Planck Institute for the History of Science, Berlin D
- Prof. Dr. Sven Dupré, Universities of Utrecht and Amsterdam NL
- Prof. Dr. Barbara Flueckiger, University of Zurich CH
- Prof. Dr. Robert Fuchs, TH Cologne D
- Dr. Ai Hisano, University of Kyoto JP
- Dr. André Karliczek, Friedrich-Schiller University Jena D
- Dr. Annapurna Mamidipudi, University of Maastricht NL
- Stefan Muntwyler, color researcher and pigment collector, Windisch CH (Excursion)
- Dr. Doris Oltrogge, TH Cologne D
- Jean-José Paccaud, GF Machining Solutions, Meyrin/Geneva CH
- Tracey Panek, Levi Strauss & Co., San Francisco USA
- Denise Ruisinger, ETH Zurich and University of Applied Sciences and Arts Lucerne CH
- Dr. Konrad Scheurmann, TU Dresden D
- Prof. Dr. Kim Siebenhüner, University of Berne CH
- Dr. Klaus Staubermann, National Museums Scotland, Edinburgh UK (Closing Remarks)
- Prof. Dr. Friedrich Steinle, TU Berlin D
- Prof. Dr. Yvonne Zimmermann, Philipps University Marburg D

Scientific Board:

- Dr. Gisela Hürlimann, ETH Zurich CH
- Prof. Dr. Reinhold Reith, University of Salzburg AT
- Prof. Dr. Friedrich Steinle, TU Berlin D

Host and Organization:

Franziska Eggimann, Head of the Iron Library and Corporate Archivist, Georg Fischer Ltd., Schlatt/Schaffhausen CH

Conference languages:

The conference will be held in English and German. A verbal and written summary of the German papers will be provided.

EISENBIBLIOTHEK



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

Participation by invitation only.

Contact

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Venue

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

Image: Fabric pattern board in a textile encyclopaedia, 1937.
(Iron Library)

Colors in Technology – Technology of Colors

40th History of Technology Conference of the Iron Library

Farben der Technik – Technik der Farben

40. Technikgeschichtliche Tagung der Eisenbibliothek

Friday 17 and Saturday 18 November 2017
Auditorium, Klostergut Paradies, Schlatt, Switzerland

1	3 % Diazlichtgelb G 1,5% Entwickler Z auf gebleichtem Baumwollsatin	
2	3 % Paraorange G 4 % Nitrazol CF auf gebleichtem Baumwollsatin	
3	3,5 g Naphtol AS-OL im Liter 8,25g Echtscharlachsatz GG im Liter auf gebleichtem Baumwollsatin	
4	1 % Siriuslichtviolett BL auf gebleichtem Baumwollsatin	
5	10 % Indanthrenblau RS dopp. Teig auf gebleichtem Baumwollsatin	
6	1 % Malachitgrün Kristalle auf gebleichtem, katanoltem Baumwoll- satin	
7	10% Immedialtiefschwarz B auf ungebleichtem Baumwollsatin	

Conference program

Thursday, 16 November 2017

Arrival (individually)

as of 19.00 Dinner (optional) at the Restaurant Kronenstube in the Hotel Kronenhof, Kirchhofplatz 7, Schaffhausen, www.kronenhof.ch

Optional pre-conference dinner. No reservation is necessary.

Dinner will be hosted by Georg Fischer Ltd.

Friday, 17 November 2017

Auditorium, Klostersgut Paradies, Schlatt

8.00 Transfer from Schaffhausen to the Klostersgut Paradies

8.30 Yves Serra, CEO Georg Fischer Ltd. and Chairman of the Iron Library Board of Trustees
Welcome and official opening of the Conference

8.45–9.30 **Keynote Speech**
Eröffnungsvortrag
Moderation: Friedrich Steinle, Berlin
Regina Lee Blaszczyk, Leeds
Visibly Invisible: Color, Commerce, and Consumer Culture
Discussion

9.30 Coffee Break

10.00–11.45 **Chronological Overview**
Chronologische Überblicke
Moderator: Reinhold Reith, Salzburg

11.45
13.15–15.00

Robert Fuchs, Cologne
Die Erfindung der Farbherstellung in der Antike: Farbpigmente im alten Ägypten bis zu den Griechen und Römern
(The Invention of Color Production in Antiquity: Pigments in Ancient Egypt and among the Greeks and Romans)

Doris Oltrogge, Cologne
Alchemy grun, Aurum musicum, Parisrot: Farbmittelherstellung und -gebrauch in Spätmittelalter und Frühneuzeit
(Production and Use of Colors in the Late Middle Ages and Early Modern Period)

Friedrich Steinle, Berlin
Farben im 18. Jahrhundert: Praxisfelder und Systemversuche
(Colors in the 18th Century: Practical Areas and Systematic Approaches)

Discussion

Lunch in the Refectory

Global Knowledge of Color Production
Wissen um Farbherstellung global
Moderator: Friedrich Steinle, Berlin

BuYun Chen, Berlin
Dyeing for Permanence: Communities of Practice and the Making of Bingata

Kim Siebenhüner, Berne
Wissen, Wissenstransfer und die Kunst des Färbens in der Schweizerischen Indienne-Industrie im 18. Jahrhundert
(Knowledge, Knowledge Transfer and the Art of Dyeing in Switzerland's Indienne Industry in the 18th Century)

Annapurna Mamidipudi, Maastricht
Telling Color by Smell, Memory and Song: The Innovation of Traditional Dyeing Craft in South India

Discussion

15.00 Coffee Break

15.30–17.15 **Color & Culture**
Farbkultur

Moderator: Gisela Hürlimann, Zurich

Tracey Panek, San Francisco
The Global Blue Jeans Transformation

Konrad Scheurmann, Dresden
Ich sehe was, was Du nicht siehst! Ein Blick unter und hinter die Farbe
(I See What You Don't See: Looking behind Colors)

Yvonne Zimmermann, Marburg
Forms and Functions of Color in Industrial Films

Discussion

17.15 Coffee Break and Transfer

17.45–18.45 Visit to the mobile Atelier of Stefan Muntwyler, color researcher and pigment collector

18.45 Transfer

19.15 Conference dinner at the Rüden Guild House in Schaffhausen

Saturday, 18 November 2017

Auditorium, Klostersgut Paradies, Schlatt

8.00 Transfer from Schaffhausen to the Klostersgut Paradies

8.30–10.15 **Manufacturing and Standardizing Colors in Europe**
Herstellung und Standardisierung von Farben in Europa

Moderator: Reinhold Reith, Salzburg

Sven Dupré, Utrecht/Amsterdam
The Making of Glass Colors in the 17th Century

10.15

10.45–12.30

André Karliczek, Jena
Farbstandards in den frühen Wissenschaften: Das Phänomen Farbe zwischen natürlicher Ordnung, Naturbeschreibung und Naturerkenntnis um 1800
(Color Standards in Early Science: The Phenomenon of Color as a Phenomenon of Nature around 1800)

Denise Ruisinger, Lucerne/Zurich
Tipping the Scales through Color: Textile Design and Color Standardization 1850–1930

Discussion

Coffee Break

Use and Imitation of Color in Industry
Verwendung und Imitation von Farben in der Industrie

Moderator: Gisela Hürlimann, Zurich

Barbara Flückiger, Zurich
Technology, Analysis and Restoration of Film Colors

Ai Hisano, Kyoto
The Co-Creation of Standardized Colors in the American Food Industry, 1870s–1930s

Jean-José Paccaud, Meyrin/Geneva
Laser Nanostructuring: Adding Colors or trapping Light

Discussion

Resumé

12.30 Klaus Staubermann, Edinburgh
Conclusion and Closing Remarks

12.45 Franziska Eggimann,
Head of the Iron Library
Closing Words

13.00 End of Conference

13.00–13.30 Visit to the Iron Library

Lunch in the Refectory

14.00 Transfer to Schaffhausen train station