

IASCUD Report for DLMPST
Report of Activities – 2020
(From October 2019 to September 2020)
(Prepared by Nina Atanasova)
Website: <http://www.iascud.org>

1. Commission Activities:

IASCUD sponsored two symposia at the 9th ESHS Conference: Visual, Material and Sensory Cultures of Science, Bologna, Italy, 31 August – 3 September 2020

<https://sites.google.com/view/eshsbologna2020/program/final-program>

1. How can the description of visual and material practices contribute to a better understanding of scientific cultures? – 1. Mathematical cultures

Convener: Karine Chemla (CNRS / University of Paris, France)

Chair: Karine Chemla (CNRS / University of Paris, France)

1 - Anna Kiel Steensen (ETH Zurich, Switzerland), *The mathematical use of graphic position in C. F. Hindenburg's combinatorial school*

2 - Emmylou Haffner (University of Paris Saclay, France), *Writing practices in mathematical drafts: what can the materiality of writing before publication tell us about mathematics?*

3 - Gisele Dalva Secco (Federal University of Santa Maria, Brasil), *Computer-assisted proofs as a new form of mathematical culture? The case of the Four-Color Theorem*

4 - Roy Wagner (ETH Zurich, Switzerland), *Diagrammatic cognition and distinct mathematical cultures*

2. How can the description of visual and material practices contribute to a better understanding of scientific cultures? – 2. Scientific cultures

Convener: Karine Chemla (CNRS / University of Paris, France)

Chair: Karine Chemla (CNRS / University of Paris, France)

1 - Peeter Mürsepp (Tallinn University of Technology, Estonia), *Practical Realism and Material Practices*

2 - Vitaly Pronskikh (Fermi National Accelerator Laboratory, USA), *Gas jet targets at NAL: from material practice to epistemic culture*

3 - Xi Gao (Fudan University, China), *A Way of Understanding body knowledge: Illustrations and wax models for anatomical education during the Qing dynasty*

4 - Han Qi (Chinese Academy of Sciences, China), *Picturing Science: Scientific Instruments as a Part of Ritual Objects---Scientific Cultures at the Kangxi and Qianlong Courts*