

Robert van Langh

Dr. Robert van Langh (1968) was trained as a gold and silversmith. After his graduation from the National Higher Institute of Fine Arts in Antwerp, he started as a metals conservator at the Museum of the Tropics (Amsterdam) and the Rijksmuseum in 1995. He also acted as senior tutor for Metals conservation at the Netherlands Institute of Cultural Heritage. He held this position until 2006, when he was appointed head of Conservation at the Rijksmuseum. In 2012, he finished his PhD Materials Science at Delft University of Technology with the title: 'Technical Studies of Renaissance Bronzes'.

Relevant publications:

- Langh, R. van, E. Lehmann, S. Hartmann, A. Kaestner, and F. Scholten, 'The study of bronze statuettes with the help of neutron imaging techniques', *Analytical Bioanalytical Chemistry* 395 (2009), pp. 1949-1959.
- Langh, R. van, A. Pappot, S. Creange, L. Megens, and I. Joosten, 'The effect of surface changes in heat treated bronze samples analyzed by x-ray fluorescence spectrometry', *Metal 2010, ICOM-CC metal working group*. Charleston 2010, pp. 204-209.
- Langh, R. van, L. Bartoli, J.R. Santisteban, and D. Visser, 'Casting technology of Renaissance bronze statuettes: the use of TOF-neutron diffraction for studying afterwork of Renaissance casting techniques', *Journal of Analytical Atomic Spectrometry* 26, no. 5 (2011), pp. 892-898.
- Langh, R. van, et al., 'New Insights of alloy compositions by studying Renaissance bronze statuettes by combined neutron imaging and neutron diffraction techniques', *Journal of Analytical Atomic Spectrometry* 26, no. 5 (2011), pp. 949-958.
- S. Peetermans, R.van Langh, E. Lehmann and A. Pappot, 'Quantification of the material composition of historical copper alloys by means of neutron transmission measurements' *Journal of Analytical Atomic Spectrometry*, 2012, DOI: 10.1039/C2JA30141E
- Langh, R. van, 'Technical Studies of Renaissance Bronzes; The use of neutron imaging and time-of-flight neutron diffraction in the studies of the manufacture and determination of historical copper objects and alloys', PhD TU Delft, 2012