

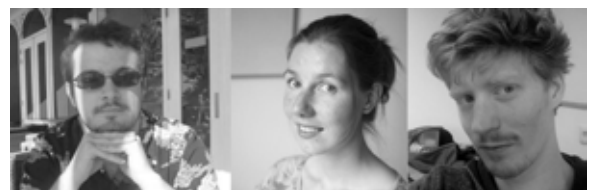
Innovative ideas in the bèta and technical domain

Eddy Lite

Art conservation is a growing concern, and many different techniques for inspecting art are being developed. However, there are surprisingly few ways to efficiently inspect metal art pieces.

That is why we are taking steps to develop the Eddy Lite: a device that can run high-resolution scans to inspect metal art pieces using an automated mechanical arm. These scans are performed using an electromagnet. This is called Eddy current testing (ECT) and is a non-intrusive technique. These scans can reveal damage and defects, in and below the surface of metal objects. This information can then be used by art conservators to give art pieces the best treatment.

Working on this idea are Samuel Gibbs, Rosalie Klarenberg and Sjoerd van der Heijden, three Physics Master students from the VU and UvA. We hope that the Eddy Lite will be able to aid in the conservation of art, so that future generations can still enjoy the art we have today.



Sjoerd van der Heijden, Samuel Gibbs, Rosalie Klarenberg, Students, University of Amsterdam