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## **Operando SXR** : a new view on catalysis

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## Curriculum Vitae



Marcelo David Ackermann was born on January the 25<sup>th</sup> 1980 in Clamart, France. He lived in Antony (France) until 1989, the year he moved to Utrecht in the Netherlands. There he attended the ‘Christelijk Gymnasium Utrecht’ from 1992 to 1998. After his graduation, Marcelo moved to Leiden, and studied Physics at

Leiden University. He graduated for his Master’s degree in Science (doctoraal) in 2003, having followed courses in both the physics and chemistry department of Leiden University. In the course of his master’s studies, he performed internships in the Interface Physics group of Prof. Dr. J.W.M. Frenken in Leiden, and at the ID03 beamline of the European Synchrotron Radiation Facility (ESRF) with Prof. Dr. S. Ferrer in Grenoble (France). Part of this work was published in the peer-reviewed magazine ‘*Surface Science*’.

After graduating, he started a Ph.D. project under the joint supervision of Prof. Dr. S. Ferrer and Prof. Dr. J.W.M. Frenken. The research project, on the subject of *in-situ* measurements in heterogeneous catalysis, was a collaboration between the Dutch Foundation for Fundamental Research on Matter (Stichting FOM) and the ESRF, and formed a continuation of his work performed during both internships. For this project he worked both at the ESRF in Grenoble (France) and at the Leiden Institute of Physics (the Netherlands).

For his work, performed together with Dr. B.L.M. Hendriksen concerning the elucidation of the mechanism of self sustained reaction oscillations in CO oxidation on Palladium he was awarded the ECOSS Prize in 2006, for the best Ph.D. work presented at the 24<sup>th</sup> European Conference on Surface Science in Paris (France) .

Since October 2007, Marcelo Ackermann works as a research scientist with cosine Research BV. on the field of X-Ray optics and X-Ray equipment.

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