

XPS Spectrometer Transmission Correction using the Consistent Retardation Assumption

Full list of authors: those in **bold** are missing from the abstract due to AVS procedures:

Alexander G. Shard,^{1} Pascal Bargiela,² Jonas Baltrusaitis,³ Ryan Thorpe,⁴ Shaoliang Guan,⁵ David J. Morgan,⁶ Aurelien Renard,⁷ **Martine Mallet,⁷ Vincent Fernandez,⁸ Yusuf Koçak,⁹ Huanyong Li,¹⁰ Anna Kallistova,¹¹ Robert W. Hengstebeck,¹² Olivier Heintz,¹³ Solene Bechu,¹⁴ **Muriel Bouttemy,¹⁴ Guillaume Sauthier,¹⁵ Isidoro López,¹⁶ Anna Krystianiak,¹⁶ Hannah Levene,¹⁷ **Christopher J. Kliewer,¹⁸ Timothy A. Livingston Large,¹⁸ Miklós Németh,¹⁹ David J. H. Cant,¹ Benjamin P. Reed,¹ Neal Fairley.²⁰*******

Addresses:

- 1) National Physical Laboratory, Hampton Road, Teddington, TW11 0LW, UK**
- 2) Université de Pau et des Pays de l'Adour, CNRS, IPREM, Pau, France
- 3) Department of Chemical and Biomolecular Engineering, Lehigh University, 124 E. Morton St., Bethlehem, PA 18015, USA
- 4) Institute for Functional Materials and Devices, Lehigh University, 124 E. Morton St., Bethlehem, PA 18015, USA
- 5) Department of Materials Science & Metallurgy, University of Cambridge, Charles Babbage Road, Cambridge, CB3 0FS, UK
- 6) Translational Research Hub, School of Chemistry, Cardiff University, Maindy Road, Cardiff, CF24 4HQ, UK
- 7) LCPME - UMR 7564 - CNRS - Université de Lorraine, 405, rue de Vandoeuvre 54600 Villers-les-Nancy, France**
- 8) Nantes Université, CNRS, Institut des Matériaux de Nantes Jean Rouxel, IMN, F-44000 Nantes
- 9) Department of Chemistry, Bilkent University, 06800, Bilkent, Ankara, Turkey
- 10) Analytical and Testing Center, Jinan University, Guangzhou 510632, China
- 11) Materials Department, University of California, Santa Barbara, California 93106, USA
- 12) Materials Research Institute, The Pennsylvania State University, University Park, Pennsylvania 16802, USA
- 13) LTDS (UMR5513), Ecole Centrale de Lyon, Ecully, France
- 14) Institut Lavoisier de Versailles (ILV), Université de Versailles Saint-Quentin-en-Yvelines, Université Paris-Saclay, CNRS, UMR 8180, 45 avenue des Etats-Unis, 78035 Versailles, France**
- 15) Catalan Institute of Nanoscience and Nanotechnology (ICN2), CSIC and The Barcelona Institute of Science and Technology (BIST), Campus UAB, Bellaterra, 08193 Barcelona, Spain
- 16) Laboratoire Interdisciplinaire Carnot de Bourgogne, UMR CNRS 6303, Université de Bourgogne Europe, 21000 Dijon, France**

- 17) Institute for Integrated Micro and Nano Systems, School of Engineering,
University of Edinburgh, UK
- 18) Sandia National Laboratories, Livermore, CA USA**
- 19) Department of Surface Chemistry and Catalysis, HUN-REN Centre for Energy
Research, Hungarian Research Network, 29-33. Konkoly-Thege Miklós street,
Budapest, 1121, Hungary
- 20) Casa Software Ltd, Bay House, 5 Grosvenor Terrace, Teignmouth, Devon TQ14
8NE, UK