

CURRICULUM VITAE

PERSONAL INFORMATION:

Name: Philippe Marcus Gender: Male
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EDUCATIONAL BACKGROUND:

1975 Graduated from Ecole Nationale Supérieure de Chimie de Paris (ENSCP), France
1979 Obtained PhD from University Pierre and Marie Curie (UPMC), Paris, France

EXPERIENCE & RESPONSABILITIES:

Professor Marcus is Director of Research at CNRS (DR1 since 1993) and Director of the Laboratory of Physical Chemistry of Surfaces (UMR 7045) at ENSCP Chimie ParisTech, France.

Dr. Marcus is currently President of the European Federation of Corrosion (EFC), Chairman of the EFC Working Party on Surface Science and Mechanisms of Corrosion and Protection, Chairman of the International Steering Committee for the European Conferences on Applications of Surface and Interface Analysis, Chairman of the Scientific and Technical Committee of CEFRACOR (Centre Français de l'Anticorrosion). He is on the Board of Administrators of the World Corrosion Organisation. He was also Chairman of two divisions of the International Society of Electrochemistry.

Professor Marcus has organised or co-organised several international conferences. He was the Chairman of ECASIA (the European Conference on Applications of Surface and Interface Analysis, Avignon (F), 2001), EUROCORR (the European Corrosion Conference, Nice (F), 2004) and Passivity-9 (the 9th International Conference on the Passivation of Metals and Semiconductors and the Properties of Thin Oxide Layers, Paris (F), 2005). In 2006 he was the Chair of the Gordon Research Conference on Aqueous Corrosion (New London, NH, USA). He was again the Chair of EUROCORR in 2009, and of EMNT (Electrochemical Micro and Nanosystems Technologies) in 2010.

Professor Marcus was elected Fellow of the Electrochemical Society in 2005, and then Fellow of the International Society of Electrochemistry in 2009.

RESEARCH FIELDS:

Surface chemistry, surface electrochemistry, and corrosion science, with emphasis on the understanding of the structure and properties of metal and alloy surfaces.

PUBLICATIONS & PATENTS:

Dr. Marcus has published over 300 papers in scientific journals, books and conference proceedings in the areas of corrosion science, surface chemistry and electrochemistry, surface analysis and materials science. He serves on the editorial board of five major journals in Electrochemistry and Corrosion :

Electrochimica Acta, Corrosion Science, Materials and Corrosion, Corrosion Engineering, Science, and Technology, and Corrosion Reviews.

I. Paper list: (extracts in last five years)

1. F. Wiame, V. Maurice, P. Marcus. *Surface Science* 601 (2007) 1193-1204.
2. M. Santamaria, F. Di Quarto, S. Zanna, P. Marcus. *Electrochimica Acta* 53 (2007) 1314-1324.
3. J. Świątowska-Mrowiecka, S. Zanna, P. Marcus, K. Ogle. *Applied Surface Science* 254 (2008) 5530-5539.
4. P. Marcus, V. Maurice, H. Strehblow. *Corrosion Science* 50 (2008) 2698-2704.
5. F. Mercuri, D. Costa and P. Marcus. *J. Physical Chemistry C* 113 (2009) 5228-5237.
6. I. Bennour, V. Maurice, P. Marcus. *Surface and Interface Analysis* 42 (2010) 581-587.
7. E. Dague, D.T. Lam Le, S. Zanna, P. Marcus, et al. *Langmuir* 26 (13) (2010) 11010-11017.
8. M. Petrova, M. Bojinov, S. Zanna, P. Marcus. *Electrochimica Acta* 56 (2010), 7899-7906.
9. P.-A. Garrain, D. Costa, and P. Marcus. *Journal of Physical Chemistry C* 115 (2011) 719-727.
10. A. Seyeux, G.S. Frankel, N. Missert, K. A. Unocic, L. H. Klein, A. Galtayries, P. Marcus. *Journal of the Electrochemical Society* 158 (2011) C165-C171.

II. Book list:

1. Corrosion Mechanisms in Theory and Practice. Marcel Dekker, Inc. New York, 2002
2. Analytical Methods in Corrosion Science and Engineering, CRC Press. 2005

III. Patent list:

1. Compositions for the treatment of magnesium alloys. Philippe [Marcus](#), Hélène [Ardelean](#).
Publication Number: US7094327 Publication date: 08/22/2006
2. Method of producing AuCuGa alloy coating using electrolysis, and alloys produced by such a method. Stéphanie Dimprie, Lalanne, Pierre; Biau, Jacques.
Publication Number: EP1103637 Publication date: 05/30/2001

HONORS AND AWARDS:

1. U. R. Evans Award of the Institute of Corrosion (UK) in 2010
2. Whitney Award from NACE International in 2008
3. Cavallaro Medal of the European Federation of Corrosion in 2008
4. Uhlig Award from the Electrochemical Society in 2005
5. Rist Award from the French Metallurgical Society in 1986
6. Jules Garnier Award from the French Metallurgical Society in 1980