EXMONAN

AMSTERDAM (The Netherlands) from 25-29 June, 2018

CURRICULUM VITÆ

Title, Name, Surname: **Dr GOYHENEX Christine**

Position: CNRS Researcher

AFFILIATION

Institut de Physique et Chimie des Matériaux de Strasbourg, IPCMS, CNRS-UDS, UMR 7504.

EDUCATION

European PhD thesis in material sciences, University of Aix Marseille III (1992), France

« Habilitation à Diriger des Recherches », University of Strasbourg (2005), France

EXPERIENCE

Since 2012	**Co-manager** of the French research network on material modelling, GDR CNRS 3532 ModMat, http://www.cinam.univ-mrs.fr/site/modmat/
Since 1999	**Researcher at CNRS**, IPCMS (Strasbourg), Department of Surfaces and interfaces (DSI)
1993-1998	**Researcher at CNRS**, CRMC2 (Marseille), France.
1993	**Postdoctoral training period**, Ecole Polytechnique Fédérale de Lausanne, Switzerland.
1992	**Teaching Assistant,** Université Aix-Marseille I, France.

RESEARCH ACTIVITIES

MAIN SKILLS

•Numerical simulations, at electronic and atomic scales, of metallic materials and alloys: bulk, extended surfaces, thin films and nanoparticles.

•Development of energy models for atomistic simulations of materials.

•Electronic structure calculations: Density functional theory and tight-binding formalism.

MAIN SCIENTIFIC PRODUCTION

•Author of about sixty publications in international peer-reviewed journals and 6 book chapters (ORCID ID https://orcid.org/0000-0003-0785-6947)

•Co-editor of a book on atomic-scale modeling of nanomaterials (Springer)

•About twenty invited conferences and invited training courses

SELECTED REFERENCES

Diffusion piloted ordering in co-deposited CoPt epitaxied layers, O. Ersen, C. Goyhenex, V. Pierron-Bohnes, Phys. Rev. B **78** (2008) 035429.

Unified picture of d-band and core-level shifts in transition metal alloys, C. Goyhenex and G. Tréglia, Phys. Rev. B **83** (2011) 075101.

Disentangling coordination and alloy effects in transition metal nanoalloys from their electronic structure, L. Zosiak, C. Goyhenex, R. Kozubski, G. Tréglia, Phys. Rev. B **88** (2013) 014205.

Electronic structure of CoPt based systems: from bulk to nanoalloys, C. Goyhenex, L. Zosiak, R. Kozubski, G. Tréglia, J. Phys. Cond. Matter, **27** (2015) 455503.

Tight-binding modelling of ferromagnetic metals and alloys, M. Sansa, A. Douhib, F. Ribeiro, B. Legrand, G. Tréglia, C. Goyhenex, Modelling Simul. Mater. Sci. Eng. **25** (2017) 084004.