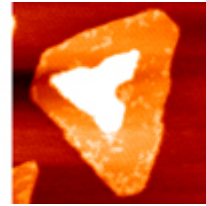
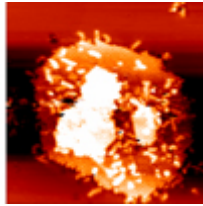
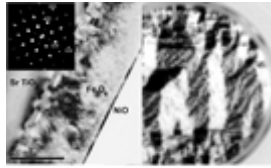


Nanostructured materials and thin films



- ▶ I. Janowska, K. Chizari, O. Ersen, S. Zafeiratos, D. Soubane, V. da Costa, V. Speisser, C. Boeglin, M. Houllé, D. Bégin, D. Plee, M.J. Ledoux, C. Pham-Huu « Microwave Synthesis of Large Few-Layer Graphene Sheets in Aqueous Ammonia » *Nano Res.* 2010, 3(2) : 126-137.
- ▶ M. Mulazzi, S. Stanescu, J. Fujii, I. Vobornik, C. Boeglin, R. Belkhou, G. Rossi, A. Barbier, « Structural and electronic properties of thin Ni layers on Cu(111) as investigated by ARPES, STM and GIXD », *Surface Sciences* 600 (18), 3938-3942 (2006) Sp. Iss. SI SEP 15 2006.
- ▶ P. Ohresser, H. Bulou, S.S. Dhesi, C. Boeglin, B. Lazarovits, E. Gaudry, I. Chado, J. Faerber and F. Scheurer “ Surface diffusion of Cr adatoms on Au(111) by quantum tunneling”. *Phys. Rev. Lett.* 95, 195901 (2005).
- ▶ S. Stanescu, C. Boeglin, A. Barbier, J.P. Deville. "Epitaxial growth of NiO on Cu(111) ultra-thin films." *Surface Science* 549 (2004) 172-182.
- ▶ A. Barbier, S. Stanescu, C. Boeglin, J.P. Deville "Local morphology and correlation lengths of reactive NiO/Cu(111) interfaces." *Phys. Rev. B* 68 (2003) 245418.
- ▶ S. Stanescu, C. Boeglin, A. Barbier, J.P. Deville. "Growth mode of NiO on Cu(111) using scanning tunneling microscopy and surface x-ray diffraction." *Phys. Rev. B* 67 (2003) 035419.
- ▶ M. Marangolo, P. Ohresser, N.B. Brookes, S. Cherifi, C. Boeglin, M. Eddrief and V.H. Etgens "Tails of near-edges x-ray absorption spectra as a fingerprint of magnetic and structural phase transitions. Application to metallic 3d ultra-thin films." *Journal of Applied Physics* 93 (2003) 5151.
- ▶ C. Boeglin, S. Stanescu, S. Cherifi, J.P. Deville, A. Barbier, P. Ohresser, N.B. Brookes. "High dipolar magnetic moment observed on Ni/Cu(111) nanostructures by magnetic circular X-ray dichroism." *Surface Science* 507-510 © (2002) pp. 522-529, proceedings de "ECOSS 20" Pologne 4-7 sept.2001.
- ▶ C. Boeglin, H. Bulou, J. Hommet, X. Le Cann, H. Magnan, P. Le Fèvre, D. Chandris, "Influence of structural characteristics on magnetic properties in face-centered-tetragonal surface alloy of Fe/Pd(100) ultrathin films." *Phys. Rev. B* 60 (1999) 4220.
- ▶ C. Boeglin, A. Barbier, B. Carrière, R. Cousandier, J.P. Deville, F. Scheurer, C. Speisser, "Cobalt ultra-thin film epitaxy on Pt(100) surfaces", *Surface Science* 251/252 (1991) 602.

► C. Boeglin, B. Carrière, J.P. Deville, F.Scheurer, C. Guillot N. Barrett, "Photoemission study of the Co/Pt(100) interface", Phys. Rev. B 45 (1992) 3834.

► C. Boeglin, B. Carrière, J.P. Deville, O. Heckmann, C. Leroux, P. Panissod, "Growth of cobalt ultra-thin films deposited on Pt(100) surfaces : An Auger Electron Spectroscopy Study " Surface Science, 211/212 (1989) 767.