

**CLAISER Nicolas** (Birth : 1977/07/28)

**Maitre de Conférences (assistant professor) at l'Université de Lorraine.**

Laboratoire de cristallographie, résonance magnétique et modélisations (CRM2, UMR 7036)

Faculté des Sciences et Technologies, Boulevard des aiguillettes, BP 70239

54506 Vandoeuvre les Nancy

Email : [Nicolas.Claiser@univ-lorraine.fr](mailto:Nicolas.Claiser@univ-lorraine.fr) Website : [crm2.univ-lorraine.fr](http://crm2.univ-lorraine.fr)

---

**PROFESSIONAL EXPERIENCE**

<b>Since September 2005</b>	Maitre de Conférences, Université de Lorraine (CRM2, UMR 7036).
<b>Jan. 2005 – Aug. 2005</b>	Attaché Temporaire d'Enseignement et de Recherche (ATER), LCM3B, Faculté des Sciences, Nancy Université
<b>Sept. 2003 – Dec. 2004</b>	ATER (non permanent assistant professor), then post-doctoral position at GMCM (UMR 6626), Université de Rennes 1.
<b>Oct. 2000 – Sept. 2003</b>	PhD thesis : Faculté des Sciences, Université Nancy 1.

---

**EXPERTISE**

Crystallography, Charge density, Joint refinement, Molecular magnetism

---

**RECENT PUBLICATIONS (H Factor = 13)**

“Spin-resolved charge density and wavefunction refinements using MOLLYNX: a review”

M Souhassou, I Kiblin, M Deutsch, AB Voufack, C Lecomte, N Claiser

Acta Crystallographica Section B77 (2021), Pages 706-714

“Determining local magnetic susceptibility tensors in paramagnetic lanthanide crystalline powders from solid-state NMR chemical shift anisotropies”

R Ince, A Doudouh, N Claiser, É Furet, T Guizouarn, L Le Pollès, G Kervern

The Journal of Physical Chemistry A 127 (2023), Pages 1547-1554

“Spin-resolved atomic orbital model refinement for combined charge and spin density analysis: application to the YTiO<sub>3</sub> perovskite”

I Kibalin, AB Voufack, M Souhassou, B Gillon, JM Gillet, N Claiser, A Gukasov, F Porcher, C Lecomte

Acta Crystallographica Section A: Foundations and Advances 77 (2021), Pages 96-104

“Experimental Charge Density Analysis of p-O<sub>2</sub>NC<sub>6</sub>F<sub>4</sub>CN<sup>•</sup>SSN, a Dithiadiazolyl Molecular Radical”

AB Voufack, A. B. Dippenaar, C. Esterhuysen, D. A. Haynes, M. Souhassou, C. Lecomte, N. Claiser

Crystal Growth & Design (2024), 24, Pages 8736-8747.

<https://doi.org/10.1021/acs.cgd.4c00429>

---

**INVITATIONS**

Co-Chair of the microsymposia 83 “Quantum Crystallography Challenges and Opportunities for Magnetic Materials” microsymposia at the IUCr 2023 congress (Melbourne, Australia)

Recent lectures at scientific conferences:

- microsymposia 21: “Electron diffraction joining forces with quantum crystallography towards materials science applications” at the ECM 34 congress (2024, Padova, Italia)

- microsymposia 20: “Electric, opto-electronic and magnetic properties from elastic and inelastic scattering plus properties of materials from quantum crystallography” at the ECM 33 congress (2022, Versailles, France)