

Dimitri Castarède

Curriculum Vitae

Education

- 2016–Present **PhD student in Atmospheric Science**, *University of Gothenburg (Sweden)*.
Speciality : Ice Nucleation
- 2014–2016 **Master in Atmospheric Science**, *Université Paul Sabatier (France) and University of Gothenburg (Sweden)*.
Speciality : Clouds Microphysics and Aerosols
- 2013–2014 **Bachelor in Earth Sciences**, *Université Paul Sabatier (France)*.
- 2011–2013 **Degree in Environmental Technology**, *IUT La Roche sur Yon (France)*.
- 2011 **Scientific Baccalauréat**, *Aire sur l'Adour (France)*.

Experience

Vocational

- 2016–Present **PhD student**, *University of Gothenburg, Gothenburg (Sweden)*.
Development of a 2nd generation Portable Ice Nucleation Machine - Based on the Continuous Flow Diffusion Chamber (Rogers, 1988), with two flat parallel plates. It is an updated version of the Zurich ice nucleation machine (Stetzer, 2008).
- 2015–2016 **Masters Project**, *University of Gothenburg, Gothenburg (Sweden)*.
"A thermodynamic description for the Pre-Deliquescence of Atmospheric Particles" - Proposing a new description for the transition from solid particle to liquid droplet and a refinement of Köhler theory for soluble particles.
- 2013–2014 **Bachelors Project**, *IRSTEA, Bordeaux (France)*.
"Behavioural study of European Sturgeon subjected to different light wavelengths" - Proving that *Acipenser Sturio* is more sensitive to certain wave lengths of light by experiments, videos and statistics.

Miscellaneous

- 2011–2016 **Farm hand**, *Labarthète and Aire sur l'Adour (France)*.
Gardening with two farms planting melons, picking cabbage and other gardening activities, including handling of important agricultural machinery.
- 2013 **Delivery man**, *Hygiène 40, Aire sur l'Adour (France)*.
Delivery for a company of hygiene products.
- 2011 **Tennis Umpire**, *Avenir Aturin, Aire sur l'Adour (France)*.
Officiating matches for amateur tennis tournaments

Computer skills

Basic Arduino, Adobe Illustrator

Advanced L^AT_EX, Matlab, R, OpenOffice, Linux, Microsoft Windows

Presentations and Proceedings

May 11th 2016 Dimitri Castarède and Erik S. Thomson. A thermodynamic description for the Pre-Deliquescence of atmospheric particles. **CRAICC final conference**, Hyttiälä (Finland)

April 26th 2016 Dimitri Castarède and Erik S. Thomson. A thermodynamic description for the Pre-Deliquescence of atmospheric particles. **7th GAC conference**, Gothenburg (Sweden)

December 2015 Dimitri Castarède and Erik S. Thomson. A thermodynamic description for the Pre-Deliquescence of atmospheric particles. **Virtual Poster showcase AGU Fall Meeting**, San Francisco (US)

Languages

French **Mothertongue**

English **Intermediate**

Spanish **Basic**

Swedish **Basic**

Conversationally fluent

Basic words and phrases only

Basic words and phrases only

Interests

○ Weather Forecasting

○ Robotics

○ Photography

○ Astronomy

○ Electronics