

# Christos Fountoukis

## EDUCATION



### PhD in Chemical Engineering

School of Chemical & Biomolecular Engineering, Georgia Institute of Technology, Atlanta, Georgia.

**Thesis:** Development of the ISORROPIA II aerosol thermodynamic equilibrium model for  $\text{Ca}^{+2}$ - $\text{Mg}^{+2}$ - $\text{K}^{+}$ - $\text{Na}^{+}$ - $\text{NH}_4^{+}$ - $\text{SO}_4^{-2}$ - $\text{NO}_3^{-}$ - $\text{Cl}^{-}$ - $\text{H}_2\text{O}$  system.

**Academic Advisor:** Athanasios Nenes.

### MSc in Chemical Engineering, 2005

School of Chemical & Biomolecular Engineering, Georgia Institute of Technology, Atlanta, Georgia.

**Thesis:** Continued Development of a Cloud Droplet Formation Parameterization for Global Climate Models.

**Academic Advisor:** Athanasios Nenes.

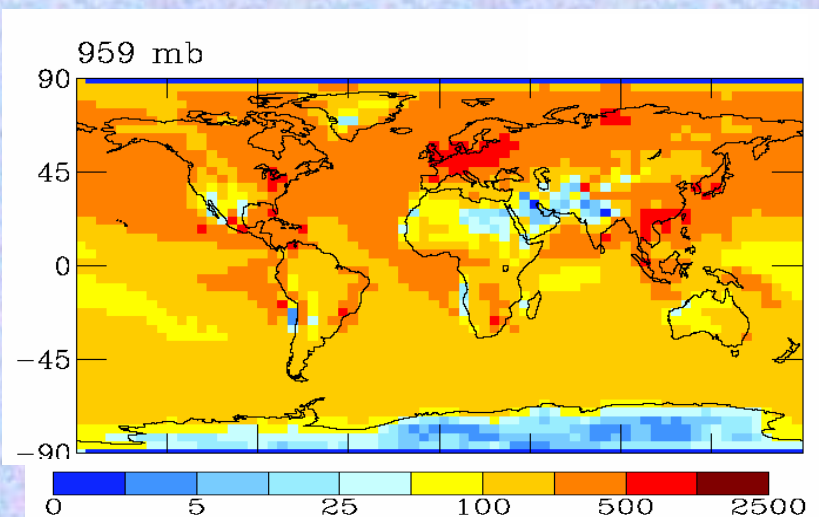
### Diploma in Chemical Engineering, 2002

Department of Chemical Engineering,  
Aristotle University of Thessaloniki, Greece



# Area of Research:

## Air pollution & Climate Change



\* Development of the ISORROPIA II aerosol thermodynamic equilibrium model for  $\text{Ca}^{+2}$ - $\text{Mg}^{+2}$ - $\text{K}^{+}$ - $\text{Na}^{+}$ - $\text{NH}_4^{+}$ - $\text{SO}_4^{-2}$ - $\text{NO}_3^{-}$ - $\text{Cl}^{-}$ - $\text{H}_2\text{O}$  system.

- \* Development of physically-based parameterization of aerosol - cloud interactions
- \* Evaluating aerosol-cloud interaction parameterizations and cloud droplet number closure with *in-situ* data.

