

927 Mill Cove Dr  
Lawrenceville  
30045 GA  
USA

**Date of Birth: 17th August, 1976**  
**Nationality: Nigerian**  
**Tel: 770 896 9529**  
[edoro@gatech.edu](mailto:edoro@gatech.edu)

# Emmanuel Doro

## Objective

making practical and definable contributions that promote organizational growth and enhance self development

## Experience

2001 – 2003      **KPMG** Nigeria

- Business Advisory & Financial Consulting
- Completed statutory audits and non-attest engagements for top energy companies in Nigeria; performed inventory verification and valuation; designed and implemented test on reliability of internal controls

1998 – 1999      **Schlumberger** Nigeria

### Internship

- Well Construction Services (Cementing) Laboratory: simulation of down-hole conditions of oil wells; experimental verification of properties and quality of cementing slurries and drilling fluids

1996              **Warri Refining & Petrochemical Company**

### Internship

- Fluid Catalytic Cracking (FCC) Laboratory: experiments to ascertain quality and specification of refined products

## Education

2007 –              Georgia Institute of Technology USA

- **PhD Mechanical Engineering** (major: Fluid and Thermal sciences – theory and computation)
- **Research Area:** numerical study and modeling of crystal interaction with shear flow with application to studying scaling and fouling in falling film evaporators

2007              Royal Institute of Technology Sweden

- **MSc Mathematics** (major: Scientific Computing)
- **Thesis Topic:** Numerical study of a simple model of stochastic phase dynamics

2006              Royal Institute of Technology Sweden

- **MSc Mechanical Engineering** (major: Thermal Sciences)
- **Thesis Topic:** Computational models for flow, heat distribution and nitrogen conversion in catalytic combustors

1999 University of Benin Nigeria

- **BEng Chemical Engineering**
- **Thesis Topic:** Experimental study of rheological properties of drilling fluids.

### Expertise

- Programming language/software: C, C++, MATLAB
- Operating systems: UNIX / LINUX
- Basic knowledge of MPI, OpenMP

### Selected Projects

- Pseudo-spectra: sensitivity of eigenvalues (2005)
- Grid generation, error estimates and adaptive mesh refinement using finite elements (2006)
- Computation of Diffusion Coefficient for a Lennard-Jones liquid using Molecular Dynamics (2006)
- Parallelization of a Molecular Dynamics code for Lennard Jones Liquid using Message Passing Interface (MPI) (2007)