

Abdul WAHAB

Date of Birth: 3rd March 1983
Marital Status: Single
Nationality: Pakistani

16, Rue Jean Pierre Laurens,
Chambre 716, Résidence ALJT
Fontenay Aux Roses
92260 – Ill de France
Tel: (+33) 06 21 93 06 01



E-mail : wahab_jiu@hotmail.com
Web page : <http://abdulwahabmalik.synthasite.com/>

FORMATION:

2008-2009 UPMC Paris (University of Paris VI)

Formation M2: « Mathematics of Modelisation » Specialty: Numerical Analysis and PDE's, with competences

- Discontinues Glarkine methods and application.
- Variational approximation methods for PDE's.
- PDE's and their resolution by Finite Element Methods.
- Mathematical Methods for Medical Imaging.
- Level set methods: theory and algorithms.
- Theoretical and numerical analysis of system of hyperbolic conservation laws

Master Internship:

Title: Mathematical Modeling of Photo-Acoustic Imaging
Supervisor: Mr. Habib Ammari.
Host Organization: CMAP, Ecole Polytechnique Paris.

2007-2008 UPMC Paris (University of Paris VI)

Formation M1: « Mathematics and Applications » with competences

- Introduction to the mechanics of continues materials.
- Bases of numerical methods
- Bases of functional analysis.
- Calculus of variations, optimization and control.
- Approximations of PDE's (Theoretical and Numerical analysis of Finite element method and Finite difference method).

2003-2006 International Islamic University Islamabad (Pakistan)

Formation Masters in Science: « Applied Mathematics » with competences

- Fluid mechanics.
- Solid mechanics.
- Differential geometry.
- Integral equations.
- Mathematical modeling and simulations.
- Partial and ordinary differential equations.
- Numerical analysis.
- Complex analysis.
- Functional analysis.
- Statistics and probability.
- Linear Algebra.
- Discret mathematics.

EXPERIENCE:

July 2006-today COMSATS Institute of Information Technology (Pakistan)

I am lecturer in Mathematics since July 2006 in COMSATS Institute of IT, Wah Cantt Pakistan. During my stay at CIIT, courses I have taught at graduate level are:

- Ordinary differential equations.
- Calculus and analytic geometry.
- Discrete mathematics.

PROJECTS :

- Numerical resolution, in C++, of 2-D Incompressible Navier-Stokes Equations by Finite Element Methods of the type 'Taylor-Hood' by using a characteristics Method for time discretization.
- Numerical resolution, in Scilab, of 1-D Stationary Reaction-Diffusion and Conviction-Diffusion Equations by Finite Element Methods of the type Lagrange-Glarkine and à posteriori error estimates.

CONFERENCES ATTENDED:

- '3rd International Conference on Mathematical Methods and Models in Fluid Mechanics' by CIIT, Islamabad-Pakistan (17-19 July 2006).
- 'All Pakistan Mathematical Conference' by CIIT, Islamabad-Pakistan (7-9 June 2007).
- '2nd International Conference on Recent Developments in Fluid Mechanics' by QAU, Islamabad-Pakistan (11-13 August 2008).

DISTINCTIONS :

- Pak-French Govt. Scholar: for MS leading to PhD. in France under the scheme “PhD. in Natural and Basic Sciences France” under French Govt. and Higher Education Commission (Pakistan) cooperation program.
- Gold Medal: in MSc. Applied Mathematics from International Islamic University Islamabad-Pakistan (2007).
- 1st Position: in MSc. Applied Mathematics from International Islamic University Islamabad-Pakistan (2007).
- Distinction: in MSc. Applied Mathematics from International Islamic University Islamabad-Pakistan (2007).

INFORMATICS:

- Scientific Utilities : Scilab, Matlab, C, C++.
- Office Utilities: MS Office, Mathtype

LANGUAGES :

- French :(Autonomy)
 - ✓ Certificat of French language organized by l'Alliance française Islamabad-Pakistan (Jan-June 2007).
 - ✓ Certificat of French language organized by CAREL (University of Poitiers), Royan-France (July-Sep 2007).
 - ✓ Formation of FLE (Français Langue Etrangère) at UPMC (University of Paris 6) Paris-France (Sep-Dec 2007).
- English :(Excellent)
 - ✓ Official Language of Pakistan.
 - ✓ Studied in English, as medium of instruction, till M.Sc. Applied Mathematics.
 - ✓ Delivered lectures at graduate level in English
- Urdu : (Excellent)
 - ✓ National Language of Pakistan.
- Arabic : (Notions)
 - ✓ Two basic courses of Arabic studied at International Islamic University Islamabad-Pakistan.
- Punjabi : (Excellent)
 - ✓ Mother Tongue.