

## Curriculum Vitae

### PERSONAL INFORMATION



## Ihtsham HASHMI

📍 Gouttes d'Or 17, CH-2000 Neuchâtel – Switzerland.

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**Date of birth** 12/09/1982 | **Nationality** Pakistani | **Status** Holding Permit 'B', available for 'immediate start.'

### PROFILE

An energetic and talented researcher with a strong desire to build a career within the research industry. Passionate, self-motivated individual with a drive to succeed, having excellent presentation & communication skills. Highly efficient and methodical with a good eye for detail with a proactive approach to performance and data accuracy. Presently looking for a suitable researcher positions with a growing and fast moving organisation.

### WORK EXPERIENCE

28/08/2012–10/08/2014

Reason to leave:  
Security reasons in Iraq.

#### Lead Mechanical Engineer (Design & Manufacturing)

Antonoil International, Al-Ammarah (Iraq)

- Lead design and manufacturing of oilfield downhole tools in the in-house manufacturing facility; 3D prototyping, design of mechanical components and systems, stress analysis calculations, CAD models and drawings (layouts, assemblies etc.), manufacturing, quality control checks and inspections for the final manufactured products and resolution for the final assembly issues, engineering test reports, perform test build of new equipment & prototype testing.
- Active liaison with quality team to implement quality management systems (ISO 9000 etc.). Installation, integration, technical evaluation & testing of purchased equipment.
- Planning & monitoring production processes and equipment, strict check for quality & production standards, solve production problems, process improvements. Monitoring each worker to assure the worker is at the best level of productivity and efficiency including reassigning operators to maintain production flow, assist with training of operators to increase productivity.

25/08/2010–10/08/2012

Reason to leave: Contract

#### Assistant Researcher (R&D)

The Petroleum Institute (Abu Dhabi National Oil Company), Abu Dhabi (United Arab Emirates)

- Research & development activities in the production laboratory; product design & development, 3D modelling using CMM, strength of materials, simulations, analysis, motion analysis, CNC machining.
- Other assignments were: teaching assistant, technical assistance to undergraduate students in designing and establishing lab experimental setups, students' supervision in their practical laboratory & mechanical workshop work to ensure all the safety protocols and standards are met.

05/05/2008–10/09/2009

Reason to leave: Contract

#### Project Engineer

SallyHome Group, Al-Jubail (Saudi Arabia)

- Project management; initial concept drawings generations/resourcing out, meetings & evaluation of the contractors, construction planning & monitoring of plan execution according to the project plan.
- Project execution, mobilizing manpower, monitoring & reporting completed work issues to the project manager.

25/02/2006–04/04/2008

Reason to leave:  
International job opportunity in Saudi Arabia.

#### Assistant Manager (Design / R&D)

Advanced Engineering Research Organization (AERO), Islamabad (Pakistan)

- Detail design of structures/mechanisms, design optimization & validation, 2D/3D drawing generation, manufacturing, assembly and quality control for aerospace (Pakistan Air Force) industry.
- Materials characterization, strength of materials, materials selection based on the design criteria.
- 3D prototyping using 3D CMM machine, FEA analysis using ANSYS WB & motion simulation analysis.
- Quality control for the manufactured parts and assembly as per designed values and parameters.

### PUBLICATIONS

- Ihtsham H., Dr. Ghosh, "Dynamic Asphaltene Deposition Control in Pipe Flow through the Application of Static Potential", J. of Pet. Exploration and Production Tech., SPRINGER, 10.1007/s13202-014-0113-2.
- Ihtsham H., Dr. Ghosh, "Electrostatic attraction of Calcite scale nuclei and its influence on deposition behaviour", manuscript submitted to J. of Pet. Exploration & Production Technology, SPRINGER.
- A. U. Chaudhry, V. Mittal and Ihtsham Hashmi, "A quick review for rheological properties of polyolefin composites", SURJVol.44 (1) 75-84 (2012).

**Master of Science in Petroleum/Design Engineering\* , 3.3/4.0 CGPA**

EQF level 7

The Petroleum Institute, Abu Dhabi (United Arab Emirates)

Production Engineering, Design for Drilling, Completion Design, Design Horizontal Wells, Well Simulation/Performance, EOR, Reservoir Characterization, Reservoir simulation, Economics

01/01/2002–20/02/2006

**Bachelors of Science in Mechanical Engineering, 4.0/4.0 CGPA**

EQF level 6

University of Engineering & Technology, Lahore (Pakistan)

Applied Mathematics, Materials, Numerical Analysis, Statistics, FEA, Quality Assurance, Thermodynamics, IC engines, Heat Transfer, Machine Design, CAD-CAM, Power Plant, Production Management

06/06/1998–05/04/2000

**Higher Secondary School Certificate, 75% Marks, High First Division**

EQF level 5

Azad Kashmir Educational Board, Bhimber Azad Kashmir (Pakistan)

English, Mathematics, Physics, Chemistry

**PERSONAL SKILLS**

Mother tongue(s)

Urdu / Hindi

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C1
IELTS					
French	A1	B1	A1	A1	A1
Punjabi	C2	C1	C2	C2	C1

**Communication skills**

- Confident, articulate, and professional speaking abilities.
- Experience in multinational working groups and substantial interpersonal skills tested in many different cultural contexts, gained through consistently working with people of all backgrounds.
- Strong ability to conduct technical training and/or professional/occupational development courses for in-house training, notes/material & presentation preparation, as demonstrated at Petroleum Institute.
- Strong presentation & negotiation skills and confidence demonstrated by experience of delivering presentations in different languages to groups of five to fifty.

**Organisational / managerial skills**

- Good leadership skills, gained through my work as a mid-level project manager, in nearly all the jobs
- Excellent ability to adapt to multicultural environments gained through the experience of studying and working in different countries, with people of different cultural, religious and ethnic backgrounds.
- Experience in organizing teams and teamwork; good team spirit learned through working in team environments in nearly all the jobs, especially in Saudi Arabia & Iraq.

**Computer skills**

- Advanced user of IT (computer softwares) i.e., have worked on various state-of-art CAD and other engineering softwares like PTC Creo (Pro/Engineer), CATIA (user), SolidWorks, ANSA, MATLAB, ANSYS, Solid Edge etc.
- Good command of office suite (word processor, spreadsheet, presentation software)
- Basic programming skills in C++ & HTML, web designing & graphic designing.

**ADDITIONAL INFORMATION**

**Memberships**

- Member Pakistan Engineering Council (PEC)
- Member American Society of Mechanical Engineers (ASME)
- Volunteer worker for Muslims Hands International UK
- Member Civil Defence Committee, Bhimber Azad Kashmir (my hometown)

**Personal Interests**

Love gadgets, photography, movies. Enjoy all sports particularly Kabaddi, Cricket and Jogging. Love to travel and experience different cultures.

**Reference**

- Dr. B. Ghosh  
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The Petroleum Institute, Abu Dhabi.  
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