

IBTIHAJ KHURRAM FARIDI

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Status: Single
Nationality: Pakistani



Education & Qualification

- 10.2013 - 04.2016 Masters of Science in Chemical & Energy Engineering (M.Sc.)
Otto-Von Guericke University, Magdeburg, Germany.
Master Thesis: Analysis of the regenerative heat transfer and transient behavior of rotary kiln by using Computational Fluid Dynamics (CFD) and Finite Element Methods (FEM).
Additional Project: "Designing of Steel Casting Process"
Developed a 2D model of Steel casting process with ANSYS to investigate overall thermal behavior of the system.
- 01.2008 - 02.2012 Bachelors in Chemical Engineering (B.E)
Dawood University of Engineering & Technology, Karachi, Pakistan.
Bachelor Project: Stabilization of Naphtha & recovery of LPG by using HYSYS simulations.

Research Achievement

Developed a full scale 360° 3-D transient model of a rotary lab kiln involving all heat transfer mechanisms with ANSYS FLUENT at Institute of Fluid Dynamics, Otto-von-Guericke University, Germany. The model predictions were successfully validated with the available measurements of rotary lab kiln at OVGU.

Employment

09.2016- Present **Lecturer** - (Fluid Mechanics, Engineering Mechanics, Separation Processes)
Department of Chemical Engineering
NED University of Engineering & Technology, Karachi

03.2012 – 09.2013 **Shift Engineer**
Chemical (Production Department)
Ingredion Incorporated (Rafhan Maize Products Co. Ltd.)

Duties

- The Startup, Shut down, trouble shooting, quality assurance and working condition's monitoring of different units like Triple Effect Evaporator, Plug Flow reactor, Furnaces, Absorber columns, Vacuum Filter, Oil Expeller Centrifugal Separators, Rotary Drum Dryer
- Drawing up schedule for production, preventive maintenance and shutdown.
- DCS controlling and monitoring of process operations.

- Implementation, monitoring & documentation of ISO (22000, 9000, 14000), OHSAS 18001 and international HSE standards
- Leading & motivating the team of production department of over 30 members including 10 sub-engineers.
- Facilitation of Plant operation during Plant Manager's absence

Training

07.2011

Lucky Cement Limited, Karachi, Pakistan.

Internship (Production Department)

Training was focused on developing engineering knowledge about Cement manufacturing process which includes combustion, grinding, drying, milling and rotary kiln operations.

Accomplishments & Awards

- ✓ Member of a high performing team which successfully performed the commissioning and the start up of a new corn processing plant.
- ✓ Lead Bachelors final year team project.
- ✓ Co-Founder of "Brightening Views", a small scale organization who takes responsibility for the educational expenses of poor children.
- ✓ Won best debater award in annual school debating competition.

Additional Skills & Languages

Computer Skill: SAP (PP Module), Microsoft Office 365, MS Project
 Language: Urdu (Fluent), English (Fluent), German (Basic knowledge)
 Modeling Software: ANSYS FLUENT, ANSYS Transient Thermal, MATLAB, Star ccm+, Aspen HYSYS
 Membership: "Registered Engineer" PEC (Pakistan Engineering Council)

Interest & Hobbies

Sports: Cricket (participated in university tournaments), Badminton.
 Voluntary Work: Voluntarily worked at Pakistan Air Force base in relief work for Flood victims in 2010.

References:

JProf. Dr.-Ing. Fabian Herz

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Dr.-Ing. Ashok Nallathambi (lecturer)

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