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Research Engineer/ Assistant Professor

Interdisciplinary Research Center for Renewable Energy and Power Systems (IRC-REPS)
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Executive Summary

Energy engineer with more than 15 years of experience as an adviser, expert, manager, and trainer in commercial, domestics and industrial renewable energy/energy efficiency/energy management projects. Has a strong background in:

- ✓ **Policy-Making:** work in government organizations for energy policy formulation and enforcement.
- ✓ **Policy-Analysis:** work in public and private sectors to examine political, social and economic trends in energy policy.
- ✓ **Policy Research:** work in the nonprofit world on general research of energy trends, international energy policy formation, and arranging international cooperation between utilities or other energy companies.

Education

- PhD Electrical Engineering (Zhejiang University, 2016)
- MS Energy Management (COMSATS, 2010)
- Diploma Project Management
- MSc Electronics
- BSc Electronics

Distinguished Projects

- Renewable Portfolio Standard to Achieve Solar Photovoltaic 40 GW, Vision 2030 Targets in the Kingdom of Saudi Arabia: An Early Assessment. Role: PM, 1.5 years, KFUPM
- Solar PV Module End-of-Life Dispose-off and Its Environmental Impact in the Kingdom of Saudi Arabia- A study. Role: PI, 1.5 years, KFUPM.
- Benchmarking Study for Small Scale Rooftop PV System in the Kingdom of Saudi Arabia. Role: PI, 3 Months, GRL-KA.CARE
- Establishment of Solar PV and Solar Thermal Testing Laboratories as Per International Standards at PCRET, Islamabad. Role: PI, 5 Years, Government of Pakistan.
- Barrier Removal to the Cost Effective Development & Implementation of Energy Efficiency Standards and Labeling (BRESL). Role: Consultant, 5 Years, United Nations.
- Energy Efficiency and Capacity Building (EEC), Role: PM, 3 Years, USAID.

Research Summary

- Number of Published Papers: 52
- Citations: 354
- H-Index: 10
- Number of Patents: 00
- Books Chapter etc. 01

Award and Recognitions

- Two best paper awards in 2020
- China Government National Merit Scholar for PhD

Skills and Expertise

- Quantitative and qualitative analytical research on renewable energy development related issues, in particular energy policy and industrial transformation processes.
- Capable to undertake structured literature research and review of renewable energy and climate change policy relevant literature
- Data collection and data analysis, including emissions projections, mitigation strategies, technology and demand changes, with a focus on energy system and industrial transformation and their contribution to climate mitigation.
- Writing of reports, work papers, briefings and other information material