

DATE

20th September, 2008

PERSONAL DATA

Name: Dr. Yasin Khan

Business Address:

King Saud University
Electrical Engineering Department,
P.O. Box 800, Riyadh 11421, Saudi Arabia
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EDUCATION

{Institute: N-W.F.P, University of Engineering & Tech. Peshawar, Pakistan}

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1993	B.Sc.	Engineering	Electrical Engineering
1997	M.Sc.	Engineering	Electric Power Engineering

{Institute: Kyushu University, Fukuoka, Japan}

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
2004	Ph.D.	Engineering	Electric Power Engineering

CURRENT POSITION

Assistant Professor, Electrical Engineering Department, King Saud University, Riyadh, Saudi Arabia

POSITIONS HELD

ACADEMIC - KING SAUD UNIVERSITY, RIYADH, SUDI ARABIA

Electrical Engineering Department

1. Assistant Professor (Sept., 2004 ~ present)

NON-ACADEMIC – Ministry of Planning, Planning Commission, Government of Pakistan, Islamabad

Energy Wing, Planning Commission, Islamabad.

1. Research Officer (May, 1995 ~ Oct. 1997)
2. Assistant Chief (Oct. 1997 ~ Sept, 2004)*

* (Remained as a PhD course student in Kyushu Univ. Japan, during April, 2000 ~ March, 2004)

PROFESSIONAL MEMBERSHIPS

- Member, Institute of Electrical Engineers, Japan (IEEJ)
 - Member, Pakistan Engineering Council, Pakistan
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AWARDS

AWARDS PUBLICATIONS

1. Received a ***GOLD MEDAL*** from the Institute of Electrical Engineers of Japan (IEEJ) for outstanding research work and its presentation in the National Convention of Electrical Engineers in 2002 held at Tokyo, Japan
2. ***Best Paper Presentation Award for Young Researcher*** in Japan-Korea Joint Symposium on Electrical Discharges and High Voltage Engineering (ED & HVE) for outstanding research work in the field of electrical Engineering and its presentation in the Symposium held at Miyazaki,

- Japan (2001).
3. Received a **GOLD MEDAL in Electrical Engineering** in BSc. Electrical Engineering examinations (1993).
 4. “**Letter of Appreciation**” from Planning Commission, Govt. of Pakistan for excellent performance in research during my PhD research in Japan.
 5. Government of Japan awarded the **Monbusho Scholarship** for pursuing my PhD course research at Graduate School of Information Science and Electrical Engineering (ISEE), Kyushu University, Fukuoka, Japan which is one of the prestigious institution in Japan
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PUBLICATIONS (Summary)

- Refereed Journal Papers (8)
 - Invited / Magazine Papers (--)
 - Award Winning Conference Papers (2)
 - Conference Papers (14)
 - Book Contributions (--)
 - Utility Industry Technical Reports (--)
 - University Technical Reports (--)
 - National and International (Externally-Funded) Project Official Final Reports (--)
 - Final Industry Consulting Reports (Industry Funded Projects) (1)
 - University (Research Funded) Project Final Reports (--)
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ACADEMIC SUPERVISION

GRADUATE/UNDERGRADUATE SUPERVISION

- Ph.D. Programs: -- students
- M.Eng. & M.Sc. Programs: -- students
- Graduation Thesis & Summer Projects: 4 students

GRADUATE/UNDERGRADUATE EXAMINATION & SUPERVISORY COMMITTEES

- Ph.D. Supervisory Committees: -- students
 - Ph.D. & M.Eng. Defense Committees: 4 students
 - B.Sc. Thesis Examination Committees: 8 students
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RECENT R&D FUNDED CONTRACTS

(Last Five Years)

King Saud University Research Center, SABIC funded Project “ Suitability of Polymeric Insulators for Saudi Arabian Environment”, King Saud University, 1426-1427 (SR, 40,000)

RECENT PUBLICATIONS (Last Five Years)

Journal Papers

1. *A Study of Free-conducting Particle Deactivation Methods around Spacer within Diverging Air Gap under DC Voltage*
Yasin Khan, Eun-Kyung Lee, Akihito Oda, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Journal of the Institute of Engineers on Electrical Discharges in Japan, Vol.45, ISSN No. 0911-8713, pp.68~69, (2001)
2. *Streamer Corona Propagation of an Inhomogeneous Field Gap in SF6 Gas Stressed by Steep Fronted Impulse*
Qiaogen Zhang, **Yasin Khan**, Yuchang Qiu, and Masanori Hara.
Journal of the Phys. D. Applied Physics, Vol.35, No. 20, pp.2605 ~ 2067, 21st October, 2002, (UK)

3. *Motion Behavior and Deactivation Methods of Free-conducting Particle around Spacer between Diverging Conducting Plates under DC Voltage in Atmospheric Air*
Yasin Khan, Koh-ichi Sakai, Eun-Kyung Lee, Junya Suehiro and Masanori Hara.
IEEE Transaction on Dielectric and Electrical Insulation, Vol.10, No.3, pp.444~ 457, (June 2003)
4. *Theoretical and Experimental Studies for Spherical Free Conducting Particle Behavior between Non-Parallel Plane Electrodes with AC Voltages in Atmospheric Air*
Koh-ichi Sakai, **Yasin Khan**, Dan Labrado Abella, Junya Suehiro and Masanori Hara.
IEEE Transaction on Dielectric and Electrical Insulation, Vol.10, No.3, pp.404~ 417, (June 2003)
5. *Experimental Studies for Free Conducting Wire Particle Behavior between Non-Parallel Plane Electrodes with AC Voltages in Atmospheric Air*
Koh-ichi Sakai, Dan Labrado Abella, **Yasin Khan**, Junya Suehiro and Masanori Hara.
IEEE Transaction on Dielectric and Electrical Insulation, Vol.10, No.3, pp.418~ 424, (June 2003)
6. *Wire Particle Motion Behavior and Breakdown Characteristics around Different Shaped Spacers within Diverging Air Gap*
Yasin Khan, Akihito Oda, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Institute of Electrical; Engineers of Japan (IEEJ), Trans. on Power and Energy, Vol.123, No.11, pp.1288 ~ 1295, (Nov. 2003)
7. *Particle Initiated Breakdown Characteristics around Spacer under Lightning Impulse Voltage Superimposed on Pre-stressed DC*
Yasin Khan, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Institute of Electrical; Engineers of Japan (IEEJ), Trans. on Fundamental and Materials, Vol. 124, No.7, pp.547 ~ 552, (2004).
8. *New Methods of Particle Deactivation in GIS*
Yasin Khan, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
IEEE Transaction on Dielectric and Electrical Insulation, Vol.12, No.1, pp.147~ 157, (Feb.2005)

Conference Papers

1. Effect of Spacers on Free-conducting Particle Motion within Diverging Air Gap
Koh-ichi Sakai, Eun-Kyung Lee, **Yasin Khan**, Junya Suehiro and Masanori Hara.
Proc. of 2000 Japan-Korea Joint Symposium on Electrical discharges and High Voltage Engineering (ED & HVE), Vol.1, pp.601-1 ~601-4, 5-6 Oct. 2000, Univ. of Ulsan, Ulsan, Korea.
2. *Free Conducting Spherical Particle Motion behavior around Different Shaped Spacers under DC Voltage*
Yasin Khan, Koh-ichi Sakai, Eun-Kyung Lee, Junya Suehiro and Masanori Hara.
Proc. of 12th ISH, Paper No. 4-9, Vol.5, pp.294 ~ 297, 20-24 August, 2001, Bangalore, India.
3. *Effect of Microdischarge Occurrences on Spherical Conducting Particles between Non-Parallel Plane Electrodes.*
Koh-ichi Sakai, **Yasin Khan**, Eun-Kyung Lee, Junya Suehiro and Masanori Hara.
Proc. of 12th ISH, Paper No. 4-11, Vol.5, pp.302 ~ 305, 20-24 August, 2001, Bangalore, India.
4. *Characteristics of Corona and Surface Flashover Triggered by Free-conducting Particles around Simple Shaped Spacer under DC Voltage in Atmospheric air*
Yasin Khan, Eun-Kyung Lee, Akihito Oda, Koh-ichi Sakai, Qiaogen Zhang, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Proc. of 2001 Japan-Korea Joint Symposium on Electrical discharges and High Voltage Engineering (ED & HVE), Vol.1, pp.101 ~ 104, 1-2 Nov. 2001, Miyazaki, Japan.
* **Best Paper Presentation Award for the Young Researcher**
5. *Dependence of Particle-triggered Breakdown Voltage on N₂, and SF₆ Gas Pressure in DC Field between Non-Parallel Plane Electrodes*
Koh-ichi Sakai, Qiaogen Zhang, **Yasin Khan**, Eun-Kyung Lee, A. Oda, J. Suehiro and Masanori Hara.
Proc. of 2001 Japan-Korea Joint Symposium on Electrical discharges and High Voltage Engineering (ED & HVE), Vol.1, pp.269 ~ 273, 1-2 Nov. 2001, Miyazaki, Japan.
6. *Importance of the Consideration of Electrical Gradient Force in the Deactivation of Free-conducting Particle under DC Voltage*
Yasin Khan, Koh-ichi Sakai, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.

- Proc. of IEEE/PES Transmission and distribution Conf. 2002, Vol.2, pp.904 ~ 908, 6-10 Oct. 2002, Yokohama, Japan.
7. *Importance of the Consideration of Electrical Gradient Force Acting on the Particle in the Insulation Design of GIS*
Yasin Khan, Koh-ichi Sakai, Qiaogen Zhang, Junya Suehiro and Masanori Hara.
Proc. of 14th Conf. of the Electric Power Supply Industry (CEPSI), Vol.2, pp.7 ~12, 5-8 Nov. 2002, Fukuoka, Japan.
 8. *A Basic study of the Deactivation Methods of Free-Conducting Particle around Spacer between Non-Parallel Plane Electrodes under DC Voltage*
Yasin Khan, Koh-ichi Sakai, Eun-Kyung Lee, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Proc. of 14th Conf. of the Electric Power Supply Industry (CEPSI), Vol.2, pp.13 ~18, 5-8 Nov. 2002, Fukuoka, Japan.
 9. *Effect of Voltage Waveform on Particle-Triggered Pre-Breakdown Phenomenon in Diverging Air Gap with Simple Shaped Spacer*
Yasin Khan, Akihito Oda, Qiaogen Zhang, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Proc. of Joint Conf. of ACED and Korea-Japan Joint Symposium on Electrical Discharges and High Voltage Engineering (ED & HVE), Vol.2, pp.366 ~ 369, 17-20 Nov. 2002, Soongsil Univ. Seoul, Korea.
 10. *Wire Particle Motion behavior and Breakdown Characteristics around Different Shaped Spacers within Diverging Air Gap*
Yasin Khan, Akihito Oda, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Proc. of 3rd International Workshop on High Voltage Engineering (IWHV), Vol.1, pp.89 ~ 94, 23-24 Jan. 2003, Fukuoka, Japan.
 11. *Effect of Spacers on Free-conducting Particle Motion Behavior between Non-Parallel Plane Electrode under AC Voltage*
Yasin Khan, Akihito Oda, Takashi Kurihara, Qiaogen Zhang, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Proc. of 13th ISH, pp.448-1 ~ 448-4, 24-28 August, 2003, Delft, The Netherlands.
 12. *Particle Initiated Breakdown Characteristics around Spacer under Lightning Impulse Voltage Superimposed on Pre-stressed DC*
Yasin Khan, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Proc. of 2003 Japan-Korea Joint Symposium on Electrical Discharges and High Voltage Engineering (ED & HVE), pp.45 ~ 48, 6-7 Nov. 2003, Nagasaki, Japan.
 13. *Free Conducting Particle Motion Behavior between Non-Parallel Plane Electrode under AC Voltage*
Yasin Khan, Koh-ichi Sakai, Shigemitsu Okabe, Junya Suehiro and Masanori Hara.
Proc. of 6th International Symposium on Information Sciences and Electrical Engineering (ISEE) pp.573 ~ 576, 13-14 August, 2003, Fukuoka, Japan.