

มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ (มจพ.)
KING MONGKUT'S UNIVERSITY OF TECHNOLOGY NORTH BANGKOK (KMUTNB)

National Distinguished Person Awards 2024

*In recognition of individuals for their meritorious contributions to
the university, community, society, and the nation in 2024*

Prof. Dr. Bernard Davat
ศาสตราจารย์ ดร.เบอ์นาร์ด ดาวัต

Position : Director of GREEN Research Group in
Electronics and Electrical Engineering of Nancy,
University of Lorraine (UL), the French Republic
Date of Birth : 7 February 1953
Age : 72 years old



Education Background

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| 1975 | Engineer degree (Toulouse, France) |
| 1979 | Ph.D. degree (Toulouse, France) |
| 1984 | Docteur d'Etat (Toulouse, France) |
| | Honorary Ph.D. degree from KMUTNB in 2009 |

Work Experience

External Career:

- Researcher at National Polytechnic Institute of Toulouse (France), 1980 - 1988
- Full Professor at ENSEM (Engineering School in Electricity and Mechanics), Nancy, France, 1988 - 2019
- Emeritus Professor 2019 - Present (retired)

GREEN Research Group Career:

- Director of the GREEN Research Group, 1991 - 1998 and 2013 - 2017
- Director of the ENSEM, 1998 - 2003

French Ministry of Education Career:

- In charged by the French Ministry of Education and Research of different projects on Fuel Cell: Creation of a Fuel Cell Laboratory in Belfort, France, 2000 - 2002 and the "Fuel cell" research contract with the Region Lorraine, 2000 - 2006, and 2007 - 2013
- In charged of evaluation of laboratories in Electrical Engineering at the French Ministry of Education and Research in 2005 - 2010 and 2013 - 2015

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- Member of the Scientific Council of Safran Tech, the Research and Technology Center of Safran Group, 2019-2022.

Cooperation with Thailand and KMUTNB:

- Lectures in 1999, 2001, 2002, 2003, 2004 and 2006 on Simulation, Control or Design of Electrical Drives, Fuel Cells, Supercapacitors;
- Seminars in 2013 (1. Power electronics for renewable energy sources and 2. World Energy Crisis Outlook) and 2015 (1. Electrical Energy storages: Battery and supercapacitors and 2. Renewable energy: Progress and challenges).
- Director of thesis of Kajorn Inwong (2005), Phatiphat Thounthong (2005), Panarit Sethakul (2009), Wattana Kaewmanee (2012) and Matheepot Phattanasak (2012).

Prof. Dr. Bernard Davat made a noteworthy contribution to promote the fruitful collaboration between King Mongkut's University of Technology North Bangkok (KMUTNB) and University of Lorraine (UL), France. The development of the longstanding academic partnership between KMUTNB and UL can be traced back to the signing of the MOU for academic cooperation in 2004.

The KMUTNB – UL collaborative efforts has centered around the technology transfer and research in the fields of electrical engineering, electronics and energy. Executed by the Thai - French Innovation Centre, the cooperative project was run successfully with the unwavering dedication of **Prof. Dr. Bernard Davat** (GREEN, INPL), head of the UL research team, and Asst. Prof. Dr. Panarit Sethakul (TFII/KMUTNB), head of the KMUTNB research team. Additionally, the Thai - French Higher Education and Research Cooperation Project was launched with the supports from the Government of France and the Royal Thai Government. This project yielded fruitful outcomes and achieved successes in a wide range of cooperation, including the co-organizing of training programs, dual degree (Ph.D. Program), joint research program, scholarships provision, curriculum development, faculty member, researcher and student mobility.

Also, **Prof. Dr. Bernard Davat** played a crucial role in the establishment of the Renewable Energy Research Centre (RERC) at KMUTNB, which was approved and recognized by the University of Lorraine as its off-campus specialized research centre. Through decades, the cooperation between KMUTNB and UL has continually grown and increasingly achieved substantial outcomes. This cooperative success contributed not only to the academic and research excellence of KMUTNB but also the university's international recognition.