

## DOCTOR HONORIS CAUSA

### Prof. Dr. Eng. Frede BLAABJERG – Aalborg University, Denmark

Born in 1963, in Denmark, Prof. Frede Blaabjerg has received his higher education and became a Ph.D. in power electronics at Aalborg University in 1995, where he is today a full Professor, after serving as Dean of Engineering-Science-Medicine Faculties (8000 students) from 2006-2013 and the Director of international Ph.D. School since 2005.

He published as an author/coauthor more than 1000 scientific papers 380 ( 800 ) in journals (conferences) in Web of science and edited 4 books, all in power electronics.

As a recognition of this prodigal activity, he earned 17 IEEE awards and has +14500 de citations in Web of science (h index 56) , +47000 in Google scholar (h index 104).

He held more than 500 lectures nationally and internationally. In addition, as a IEEE Distinguished Lecturer for two societies (PELS and IAS) he presented 45 lecturers on 4 continents, with more than 3000 attendants in all.

Based on his exceptional contribution to the massive penetration of wind energy in the Danish electric power system, Prof. Frede Blaabjerg earned National Research Award "Villum Jahn Rasmussen" (750000 euro) for 2014.

He became an IEEE Fellow in 2003.

The research activities and achievements that place him among the first 10 contributors in power electronics worldwide have been accompanied by:

- the exquisite leadership of the Aalborg University Ph.D. School from 2005; he has supervised himself 70 Ph.D. students so far.
- the reform as Dean of Engineering-Science-Medicine Faculties (2006-2013) at Aalborg University which today has diligent students from more than 60 countries (it had few foreign students in 2006);
- tripling the number of pages (with quality enhancement) of the first journal of power electronics (IEEE Transactions on PE) as Chief Editor for 7 years, from 2008 ; today the journal publishes more than 600 pages/issue (12 issues per year);
- the effort in the Danish National Research Guidance Institutions, since 2000 till today;
- the contribution as IEEE-PELS Vicepresident since 2015;
- the quality of Vicepresident of Technical Academy of Technical Sciences since 2015.



We mention here with great satisfaction Prof. Frede Blaabjerg's uninterrupted cooperation since 1997, with University Politehnica Timisoara (Prof. Ion Boldea and his younger associates), Faculty of Electrical and Power Systems Engineering.

Practically 24 Ph.D. students from UPT had at least one three month stage at Aalborg University; many joint papers at ISI Conferences and in IEEE prestigious Journals have resulted; UPT benefited many power electronics donations from Aalborg University and from Danfoss via Prof. F. Blaabjerg, who himself visited Romania 3 times (2 times at UPT).

We mention also Prof. Frede Blaabjerg modesty, honesty, compassion and generosity so visible in the 20 years of his cooperation with UPT.

In view of his outstanding scientific, didactic, managerial and professional activities at the world level and its fruitful cooperation of almost 20 years with UPT, the Senat of UPT has decided the bestow on Prof. Frede Blaabjerg from Aalborg University, Denmark the title of "Doctor Honoris Causa".

Our heartfelt congrats, Prof. Frede Blaabjerg.