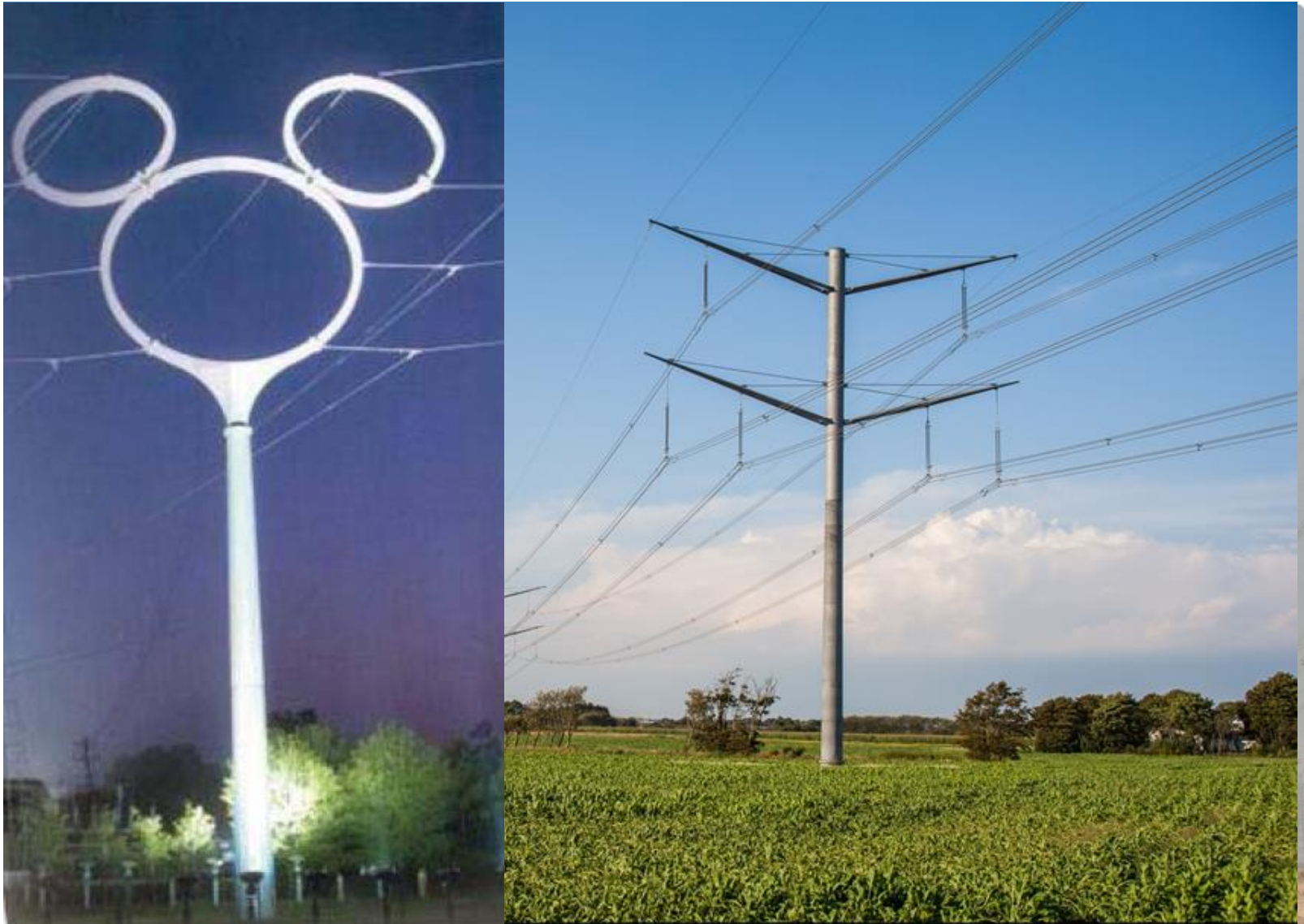


ELECTRICAL POWER ENGINEERING EDUCATION: HOW TO BRIDGE THE GAP BETWEEN INDUSTRY AND UNIVERSITIES

**Dr. Ing. habil. Konstantin O. Papailiou
Chairman SC B2 (Overhead Lines)**





EC 10 year plan

	New Circuits <u>AC</u> and <u>DC</u> >330kV 2013-2022	New circuits <u>AC</u> > 330 kV 2013-2022		New circuits <u>HVDC</u> > 330 kV 2013-2022	
Overhead lines	30,500 km	28,400 km	97.2 %	2,100 km	16.7 %
Sea cables	9,400 km	400 km	1.26 %	9,000 km	71.5 %
Cables on land	1,910 km	420 km	1.44 %	1,490 km	11.8 %
Total	41,810 km	29,220 km	100 %	12,590 km	100 %

Investments of 25 to 30 Mrd. €!



Question 1 – What level of specialization of engineering curricula should be sought for? Is basic, fundamentals knowledge more formative and potentially more effective for industry than up-to-date information ?

- ...
- ...
- ...



Question 2 – What are the differences between Industry needs and expectations and Academia ones ?

- ...
- ...
- ...



Question 3 – What are the reasons behind the gap between Academia and Industry, if any ?

- ...
- ...
- ...



Question 4 – What is the current status of cooperation between Academia and Industry and in particular the interaction between industry and undergraduate/doctoral programs ?

- ...
- ...
- ...



Question 5 – Is at present the number of PhDs produced every year for the higher education establishment too much to be absorbed by Industry?

- ...
- ...
- ...



Question 6 – Should industry be involved in the management of Educational Establishments?

- ...
- ...
- ...



Item 7 – .. If any

- ...
- ...
- ...



Conclusions

- ...
- ...
- ...



