

Brief characteristics of an applicant in appointment proceedings at CTU in Prague

Applicant:.....Miloslav Čapek.....

A) In pedagogical field

- 1) Number of PhD students for whom the applicant was appointed supervisor, or specialist supervisor and who successfully defended their PhD theses: 4/1/1
- 2) Number of defended master/bachelor theses supervised by the applicant (incl. as supervisor/specialist): 9/4
- 3) Three most prominent deeds of the applicant in the field of teaching:
 - i) Introduction of a new course MATLAB at CTU FEE. Taught both in Czech and English for more than 10 semesters with more than 460 students subscribed in total.
 - ii) Guarantor of a course A8B17CAS with a significant change of its content and organization.
 - iii) Organizer of international short courses at prestigious conferences (EuCAP, IEEE APS).
- 4) Assessment of the applicant in the student Anketa questionnaire in the last 4 semesters: 1.5, 1.14, 1.13, 1.2. Dean's prize for excellence in teaching 2015/16.

B) In the field of creative activity

- 1) Three significant original outcomes of creative activity or arch./art. realizations:
 - i) Capek, M., Hazdra, P., Eichler, J.: A Method For the Evaluation of Modal Radiation Q Based on Modal Approach. IEEE Transactions on Antennas and Propagation, Vol. 60, No. 10, pp. 4556-4567, Oct. 2012. 48 citations in WOSii) Capek, M., Losenicky, V., Jelinek, L., Gustafsson M.: Validating the Characteristic Modes Solvers, IEEE Transactions on Antennas and Propagation, Vol. 65, No. 8, pp. 4134-4145, Aug. 2017. 40 citations in WOS...
 - iii) AToM (Antenna Toolbox for MATLAB), www.antennatoolbox.com
- 2) H-index with self-citations not included: 12 WOS / 15 Scopus
- 3) Number of citations WOS/Scopus/reactions of arch. work, self-citations not included: 442 according to WoS, 507 according to Scopus
- 4) Mobility (stays in a workplace abroad – place, duration and outcomes of the stay):
Lund University, in total 18 months, Outcome: extensive collaboration with prof. Gustafsson, including 12 IF papers (majority in IEEE Trans. Antennas and Propag.). The collaboration continues, including the organization of workshops, short courses, etc.
- 5) Two most prominent grant projects of which the applicant was a recipient or co-recipient (applicant or co-applicant):

i) GACR Junior star project 21-19025M (Optimal Electromagnetic Design Based on Exact Reanalysis), 2021-2025, PI, approx.. 790kEUR

ii) TACR TA04010457 (Tools for synthesis of antennas and sensors), PI, approx. 730k EUR

6) Example(s) of implementation of applicant's outcomes in practice:

AToM (Antenna Toolbox for MATLAB): 5 licences sold for the total amount of 93k CZK.

7) Most prominent recognition by community (incl. recognition in an arch. or art. competition):

Werner von Siemens Award 2014 for PhD theses, second place

8) Most prominent service for the community:

The European Association on Antennas and Propagation (EurAPP), elected Delegate, Assembly pro region 8 (Bulgaria, Czech Republic, Hungary, Romania, Slovakia), 2015–2017, 2018–2020

In Prague on May 22, 2023

Assessment Board:

Chair:



prof. Pavel Ripka

Members:



prof. Jiří Matas



prof. Pavel Karban



prof. Jarmila Dědková



prof. Daniel Sjöberg