

Brief Characteristics of an Applicant in Habilitation Proceedings at CTU in Prague

Applicant: ...Sheldon Dantas Ph.D.....

A) Pedagogical activities

- 1) Number of PhD students for whom the applicant was appointed supervisor, or co-supervisor and who successfully defended their PhD theses: 0
- 2) Number of defended master/bachelor theses supervised by the applicant: 1/4
- 3) Applicant's most significant achievement in the field of teaching: The candidate created a textbook for the subject Matematické analýzy at Valencia University
- 4) Assessment of the applicant in the student Anketas questionnaire in the last 4 semesters: Not applicable.

B) Scientific or creative activities

- 1) Three significant original outcomes of scientific or creative activity or arch. or art. Realizations:
 1. S. Dantas, R. Medina, A. Quilis and Ó. Roldán, On isometric embeddings into the set of strongly norm-attaining Lipschitz functions, *Nonlinear Analysis* (2023)
 2. S. Dantas, P. Hájek, and T. Russo, Smooth and polyhedral norms via fundamental biorthogonal systems, *International Mathematics Research Notices* (2023)
 3. S. Dantas, M. Jung, and G. Martínez-Cervantes, On the existence of non-norm-attaining operators, *Journal of the Institute of Mathematics of Jussieu*, 1-13. (2021)
- 2) H-index without self-citations: 7
- 3) Number of citations WOS/Scopus/reactions of arch. work, self-citations not included: 80
- 4) Mobility (internships in a workplace abroad – place, duration and outcomes of the internship):

Technical University of Madrid (Spain) (from 2024/05/26 to 2024/06/08 - 2 weeks)

Czech Technical University in Prague (Czech Republic) (from 2024/02/01 to 2024/04/30 - 3 months)

Granada University (Spain) (from 2023/06/11 to 2023/06/30 - 3 weeks)

Czech Technical University in Prague (Czech Republic) (from 2022/02/01 to 2022/04/30 - 3 months)

Czech Technical University in Prague (Czech Republic) (from 2021/07/08 to 2021/07/31 - 3 weeks)

Tartu University (Estonia) (from 2020/02/17 to 2020/02/29 - 2 weeks)

Dongguk University (South Korea) (from 2019/08/01 to 2019/09/01 - 1 month)

Czech Technical University in Prague (Czech Republic) (from 2018/09/05 to 2018/11/01 - 2 months)

Granada University (Spain) (from 2018/05/14 to 2018/05/24 - 2 weeks)

Valencia University (Spain) (from 2017/12/22 to 2018/01/20 - 1 month)

Dongguk University (South Korea) (from 2017/02/22 to 2017/03/30 - 5 weeks)

Kyonggi University (South Korea) (from 2017/01/15 to 2017/02/22 - 5 weeks)

Dongguk University (South Korea) (from 2016/02/22 to 2016/05/28 - 3 months)

Granada University (Spain) (from 2015/02/01 to 2015/04/30 - 4 months)

- 5) Two most prominent grant projects of which the applicant was a principal investigator or co-investigator (applicant or co-applicant):

Valencia University, Valencia, Spain, Principal investigator

Name of the project: Reticulos de Banach, estructura extremal de tensores proyectivos y funciones que alcanzan la norma

Total duration: From 2023/01/01 – 2024/12/31

- 6) Example(s) of implementation of applicant's outcomes in practice: Due to the theoretical nature of the candidate's work, the criterion cannot be applied.
- 7) Most prominent recognition of the community (incl. recognition in an arch. or art. Competition): Invited lectures at four international scientific conferences
- 8) Most prominent community service: Member of the scientific committee of the Summer school: New Perspective in Banach spaces and Banach lattices, Santander, Spain

In Prague on 20.3.2025

Habilitation Board:

Chair: Prof. RNDr. Jiří Spurný, Ph.D

Members:



Prof. Ing. Pavel Ripka, Csc., FEL ČVUT v Praze, Czech Republic



Doc. RNDr. Michal Johanis, Ph.D., MFF UK, Czech Republic



Prof. Gilles Lancien, Université de Franche-Comté-Besancon, France

Prof. Antonio José Guirao Sánchez, Universitat Politècnica de València, España

Czech Technical University in Prague (Czech Republic) (from 2018/09/05 to 2018/11/01 - 2 months)

Granada University (Spain) (from 2018/05/14 to 2018/05/24 - 2 weeks)

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In Prague on 10.2.2025

Habilitation Board:

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Prof. Gilles Lancien, Université de Franche-Comté-Besancon, France

A handwritten signature in black ink, appearing to read 'Antonio José Guirao Sánchez', written over a horizontal line.

Prof. Antonio José Guirao Sánchez, Universitat Politècnica de València, España