

Imad Abou-Hayt
Research Assistant, Associate Professor, Post.Doc.
Department of Planning
Department of Planning
The Technical Faculty of IT and Design
The Technical Faculty of IT and Design
Design for Sustainability
SUSTAINABLE DESIGN AND TRANSITION
SUSTAINABLE DESIGN AND TRANSITION
Postal address:
A.C. Meyers Vænge 15
A, Bæredygtigt Design
2450
København SV
Denmark
Email: imad@plan.aau.dk



Research outputs

Teaching Transfer Functions Without the Laplace Transform

Abou-Hayt, I., Dahl, B. & Rump, C. Ø., 2022, In: *European Journal of Engineering Education*. 47, 5, p. 746-761 16 p.

Didactical Research in Engineering: Theory and Practice

Abou-Hayt, I., 2021, Aalborg Universitetsforlag. 172 p. (Ph.d.-serien for Det Tekniske Fakultet for IT og Design, Aalborg Universitet).

A Problem-Based Approach to Teaching a Course in Engineering Mechanics

Abou-Hayt, I., Dahl, B. & Rump, C. Ø., 2020, *Educate for the future: PBL, Sustainability and Digitalisation 2020*. Guerra, A., Chen, J., Winther, M. & Kolmos, A. (eds.). 1 ed. Aalborg Universitetsforlag, p. 499-509 11 p. (International Research Symposium on PBL).

Exploring Engineering Students' Conceptions of Vectors: A Phenomenographic Study

Abou-Hayt, I., Dahl, B. & Rump, C. Ø., 2020, *Engaging, Engineering, Education: Proceedings SEFI 48th Annual Conference*. van der Veen, J., van Hattum-Janssen, N., Järvinen, H-M. & ten Dam, I. (eds.). SEFI: European Association for Engineering Education, p. 31-41 11 p.

Integrating the methods of mathematical modelling and engineering design in projects

Abou-Hayt, I., Dahl, B. & Rump, C. Ø., 2019, *Proceedings of the Eleventh Congress of the European Society for Research in Mathematics Education*. Jankvist, U. T., Heuvel-Panhuizen, M. V. D. & M. V. (eds.). European Society for Research in Mathematics Education, p. 4729-4736 8 p.

Teaching the limits of functions using The Theory of Didactical Situations and Problem-Based Learning

Abou-Hayt, I., Dahl, B. & Rump, C. Ø., 2019, *Proceedings of the 47th SEFI Annual Conference 2019*. Nagy, B. V., Murphy, M., Järvinen, H-M. & Kálmán, A. (eds.). SEFI: European Association for Engineering Education, p. 58-69 12 p.

Industrial design as an innovative element in engineering education

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On a modified discrete self-trapping dimer

Abou-Hayt, I. & Peter L. Christiansen, 15 Sep 1993, In: *Physica D: Nonlinear Phenomena*. 68, 1, p. 180-184 5 p.