

ABDULLAH FETTAHOGLU



CONTACT:

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LikedIn:
<https://www.linkedin.com/in/abdullah-fettahoglu-1b2635a2/>

PERSONAL DATA:

Nationality: Turkish

MaritalStatus: Single

LANGUAGE:

English (Fluent), German
(Good), Turkish (Mother
language)

WEBSITES:

<https://insaatkitaplar.8b.io/>
<https://www.youtube.com/channel/UC7e43J9Lo0JBpmD1aKikCFQ>

EDUCATION:

Ph.D.: Civil Engineering-Structure, Yildiz Technical University, 2015.

M.Sc.: Structural Engineering Program, Istanbul Technical University, 2003.

B.Sc.: Civil Engineering Program, Istanbul Technical University, 2001.

SCHOLARSIP:

DAAD (German Academic Exchange Service): 2005, 2006 Ph.D. Student Scholarship.

CERTIFICATION:

Advisory Board Member (Certificate): Research on Engineering Structures & Materials.

LATEST JOB:

Civil engineer assistant professor, Usak University, Usak/Turkey, FROM November 2019 to September 2023.

PUBLISHED ARTICLES:

Fettahoglu, A. (2013), "Arranging thicknesses and spans of orthotropic deck for desired fatigue life and design category", International Journal of Advances in Engineering & Technology, 6(4), 1512-1523.

Fettahoglu, A. (2013), "A FEA study conforming recommendations of DIN FB 103 regarding rib dimensions and cross-beam span", International Journal of Civil Engineering Research, 4(3), 197-204.

Fettahoglu, A. (2013), Assessment on web slope of trapezoidal rib in orthotropic decks using FEM", Sigma, Journal of Engineering and Natural Sciences, 32(1), 52-59.

Fettahoglu, A. (2015), "Effect of cross-beam on stresses revealed in orthotropic steel bridges", Steel and Composite Structures, Vol. 18, Nr. 1, p. 149-163 (SCIE).

Fettahoglu, A. (2015). "Recommended properties of elastic wearing surfaces on orthotropic steel decks", Steel and Composite Structures, Vol. 18, Nr. 2, p. 357-374 (SCIE).

Fettahoglu, A. (2016), "Optimizing rib width to height and rib spacing to deck plate thickness ratios in orthotropic decks", Cogent Engineering, <https://doi.org/10.1080/23311916.2016.1154703>.

Fettahoglu, A. and Sel, I. (2016), "A new approach to the determination of stiffness moduli of asphalt mixtures from IDT test", Journal of Materials in Civil Engineering (ASCE), [https://doi.org/10.1061/\(ASCE\)MT.1943-5533.0001749](https://doi.org/10.1061/(ASCE)MT.1943-5533.0001749).

Fettahoglu, A., Genes, M.C. and Kunt, M.M. (2018), "Creep compliance and relaxation moduli of PmB 25A and PmB 45A Gussasphalt at different temperatures", Journal of Materials in Civil Engineering (ASCE), [https://doi.org/10.1061/\(ASCE\)MT.1943-5533.0002214](https://doi.org/10.1061/(ASCE)MT.1943-5533.0002214).

Fettahoglu, A. and Genes, M.C. (2018), "Design charts for linear elastic pavements", Research on Engineering Structures and Materials, <http://dx.doi.org/10.17515/resm2019.169st1210>.

PUBLISHED CONFERENCES:

Fettahoglu, A. and Bekiroglu, S. (2012), "Effect of kinematic hardening in stress calculations", Advanced in Civil Engineering, Ankara, October.

Fettahoglu, A. (2012), "Effect of deck plate thickness on the structural behavior of steel orthotropic highway bridges", Advanced in Civil Engineering, Ankara, October.

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hannel/UC7e43J9LoJBpm
D1aKikCFQ](https://www.youtube.com/channel/UC7e43J9LoJBpmD1aKikCFQ)

Fettahoglu, A. (2015), "Error Amount in Viscoelasticity Analysis Depending on Time Step Size and Method Used in Ansys", ICCCGE 2015: 17th International Conference on Civil, Construction and Geological Engineering, 21-22 May, Istanbul.

Fettahoglu, A. (2015), "A Guide for Using Viscoelasticity in Ansys", ICCCGE 2015: 17th International Conference on Civil, Construction and Geological Engineering, 21-22 May, Istanbul.

Fettahoglu, A. Bekiroglu, S. and Bal, I.E., (2015), "Response spectral analysis of orthotropic steel deck as per Turkish local design spectrums", International Conference on Civil and Environmental Engineering, 20-23 May, Nevsehir.

Fettahoglu, A. (2015), "Assessment of stiffness moduli obtained from IDT test", International Conference on Civil and Environmental Engineering, 20-23 May, Nevsehir.

Fettahoglu, A. (2016), "Effect of Time Step Size on Stress Relaxation", Advanced in Civil Engineering, 21-23 September, Istanbul.

Fettahoglu, A. (2016), "Selection of Regression Function for Indirect Tensile Test Results", Advanced in Civil Engineering, 21-23 September, Istanbul.

PUBLISHED BOOKS:

Introduction to Civil Engineering (Online free).

Civil Engineering Drawing Using Autocad (Online free).

Highway Engineering (Copyleft pdf document in Turkish).

Reinforced Concrete Structures 1 and 2 (Copyleft pdf document in Turkish).

Steel Structures 1 and 2 (Copyleft pdf document in Turkish).

Structural Mechanics and Analysis (Printed in Turkish and English).

Construction Materials and Their Applications (Printed in English).

Loads Acting on Structures according to Turkish Codes (Printed in Turkish).

Calculation of Buckling Load for Different Buckling Modes (Printed in Turkish).

Analysis of Cable, Membrane, Arch, Plate and Shell Structures using Formulas (Printed in Turkish).

Introduction To Structural Dynamics (Printed in Turkish).

Soil Mechanics (Printed in Turkish).

LECTURES, WHICH CAN BE TAUGHT:

Engineering Mechanics 1 and 2 (Over the book of R.C. Hibbeler)

Strength of Materials 1 and 2 (Over the book of R.C. Hibbeler)

Structural Mechanics and Analysis 1 and 2 (Over the candidate's own book)

Introduction to Structural Dynamics (Over the candidate's own book)

Soil Mechanics (Over the candidate's own book)

Steel Project Design (Over the book of Mc Cormak)

Concrete Project Design (Over the book of Mc Cormak)

Highway Design (Over the candidate's own book)

STRUCTURAL ANALYSIS SKILLS:

Ansyes apdl, proof of competency

The candidate has many publications using ANSYS. One example publication's link is given below:

<https://www.tandfonline.com/doi/full/10.1080/23311916.2016.1154703>

Abaqus, proof of competency

The candidate learned using this software. The records of his education and example analyses are provided by the link given below. However, he is still preparing the records, they are now incomplete:

[https://studio.youtube.com/playlist/PLxWW4yMdvM3LX8K6r9c96J3bZv5A
QU35-/videos](https://studio.youtube.com/playlist/PLxWW4yMdvM3LX8K6r9c96J3bZv5AQU35-/videos)

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Staad Pro, proof of competency

The candidate learned using this software. The records of his education and example analyses are provided by the link given below:
<https://studio.youtube.com/playlist/PLxWW4yMdVM3IqNG1HhdtOtSgDwxcGQBzC/videos>

Patran/Nastran, Hypermesh proof of competency

The candidate worked in Ferchau/Bremen/Germany as a stress engineer. The candidate successfully used those softwares. The candidate has not used those softwares for a long time, however he is sure that he can remember very quickly.

Hand calculations, proof of competency

The candidate is teaching the below given courses:
Statics, dynamics, strength of materials, structural mechanics and analysis, steel and reinforced concrete structures analysis and design, introduction to structural dynamics.

The candidate has a published book on structural mechanics and analysis. The link of the book is given below:

<https://www.dr.com.tr/kitap/yapi-mekanigi-ve-analizi/egitim-ve-sinav-kitaplari/akademik-kitaplar/bilim-tekNIK-muhendislik/urunno=0002027005001>

SITE CIVIL ENGINEER SKILLS:

Laboratory and site testing

The candidate can perform and follow up almost all material and soil site testings. He has his own books, links of which are provided below:

<https://www.dr.com.tr/Kitap/Construction-Materials-and-Their-Applications/Foreign-Languages/Reference/Other-Reference-urunno=0002010082001>

Soil Mechanics book is published in Turkish, please look to <https://insaatkitaplar.8b.io/> and candidate's YouTube channel for details. The candidate can solve geotechnical problems.

Reinforced concrete (RC) and steel superstructure construction

The candidate is experienced in RC and steel superstructure constructions. He can understand complicated construction projects and follow up their implementations. The candidate worked in a power plant construction and learned the construction methods of cooling tower and chimney. He is experienced in formwork, scaffolding, RC and steel construction techniques.

Substructure construction

The candidate knows substructure constructions such as drainage, earthing, plumbing, sewer and similar galleries.

Project management skills

The candidate knows CPM and Pert project planning methods. He can manage time, materials, workers and other resources to finish the project on time.

Quality control and assurance skills

The candidate worked as a quality control and assurance (QA/QA) engineer on some construction projects. He can write QA/QC plan, procedures and forms and follow up QA/QC works.