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DEGREES:

B.S. in Civil Aviation High School, Anadolu University, 1999

M.S. in The Graduate School of Sciences, Anadolu University, 2002

Ph.D. in The Graduate School of Sciences, Anadolu University, 2010

RESEARCH INTERESTS:

Aircraft materials, Aircraft powerplants, Gas turbine engines, Materials science, Failure Analysis, Creep, Fatigue failures

SELECTED PUBLICATIONS:

Alper Uludağ, Dilek Turan, "High temperature bending creep behavior of a multi-cation doped α/β-SiAlON composite", Ceramics International, 37 (2011) 921–926

Alper Uludağ, Dilek Turan, "Microstructural Evaluation of an α-β SiAlON Ceramics After High Temperature Bending Creep Tests", Electron Microscopy and Analysis Group Conference (EMAG 2007), 3-7 September, 2007, Glasgow, Schotland, pp 63

Alper Uludağ, Hilmi Yurdakul, Dilek Turan, Servet TURAN, "High Temperature Bending Creep Tests of α-β SiAlON Ceramics and Microstructural Evaluations", 9th International Symposium on Ceramic Materials and Components for Energy and Environmental Applications (CMCEE), November 10-14, 2008, Shanghai, China, pp 91

Dilek Turan, Alper Uludağ, Hilmi Yurdakul and Servet TURAN, "The Microstructural Characterization of SiAlON Ceramics after Creep", 9th Multinational Conference on Microscopy 2009, 30 Aug-4 Sept 2009, Graz, Austria, pp 323-324

Alper Uludağ, Hilmi Yurdakul, Dilek Turan, Servet Turan, "The Creep Behavior of α-β SiAlON Ceramics ", 3rd International Symposium on SiAlONs and Non-Oxides, 1-4 June 2010, Cappadocia, Turkey, pp 103

COURSE DESCRIPTIONS

Course Code	**Course Title**	**Semester**	**Theory + Practice**	**ECTS**
Aircraft Materials I	HYO108	III. SEMESTER	3+2	4.0
Gas Turbine Engine Systems II	UGB411	VII. SEMESTER	4+0	5.5
Case Studies in Aviation Safety	HYO409	VIII. SEMESTER	2+0	3.0
Failure Analysis of Aircraft Structures	UGM 510	Spring	3+0	3.0