



Professor Hasan Kurtaran

See:

<http://www.gyte.edu.tr/personel/1040/1072/hasan-kurtaran.aspx>

<http://translate.google.com/translate?hl=en&sl=tr&u=http://www.gyte.edu.tr/personel/1040/1072/hasan-kurtaran.aspx&prev=search>

Biography:

Dr. Hasan Kurtaran received B.Sc and M.Sc degrees in Aeronautical Eng from Istanbul Technical University. He obtained D.Sc degree at Department of Mechanical and Aerospace Eng from the George Washington University, USA. Dr. Kurtaran is currently Assist Prof. at Department of Mechanical Engineering at Gebze Institute of Technology, Turkey.

Selected Publications:

-----BOOK

Hasan Kurtaran, "Optimization of Structures under Crash and Impact", Kartonierter Einband (Kt), ISBN 978-3-639-00469-4, 2009, 84 pages

1. Kurtaran H. "Geometrically nonlinear transient analysis of thick deep composite curved beams with generalized differential quadrature method", Composite Structures 2015;128:241–250.
2. Kurtaran H. "Geometrically Nonlinear Transient Analysis of Moderately Thick Laminated Composite Shallow Shells with Generalized Differential Quadrature Method", Composite Structures 2015;125:605-614.
3. Kurtaran H. "Shape Effect on free vibration of functionally graded plates", International Journal of Engineering and Applied Sciences (IJEAS) 2014;6(4):52-67.
4. Buyuk M, Kurtaran H, Marzougui D, Kan CD. "Automated design of threats and shields under hypervelocity impacts by using successive optimization methodology", Int. J. of Impact Engineering 2008;35:1449-1458.
5. Kurtaran H. "A Novel Approach for the Prediction of Bend Allowance in Air Bending and Comparison with Other Methods", International Journal of Advanced Manufacturing Technology 2008;37(5-6):486-495.

6. Senalp AZ, Kayabasi O, Kurtaran H. "Static, Dynamic and Fatigue Behavior of Newly Designed Stem Shapes for Hip Prosthesis Using Finite Element Analysis", *Materials and Design* 2007;28:1577-1583.
7. Kurtaran H, Erzurumlu T. "Efficient Warpage Optimization of Thin Shell Plastic Parts Using Response Surface Methodology and Genetic Algorithm", *International Journal of Advanced Manufacturing Technology* 2006;27:468-472.
8. Öktem H, Erzurumlu T, Kurtaran H. "Application of Response Surface Methodology in the Optimization of Cutting Conditions for Surface Roughness", *Journal of Materials Processing Technology* 2005;170(1-2):11-16.
9. Ozcelik B, Oktem H, Kurtaran H. "Optimum Surface Roughness in End Milling Inconel 718 by Coupling Neural Network Model and Genetic Algorithm", *International Journal of Advanced Manufacturing Technology* 2005;27(3-4):234-241.
10. Kurtaran H, Ozcelik B, Erzurumlu T. "Warpage Optimization of a Bus Ceiling Lamp Base Using Neural Network Model and Genetic Algorithm", *Journal of Materials Processing Technology* 2005;169:314-319.
11. Kurtaran H, Büyük M, Eskandarian A. "Ballistic Impact Simulation of GT Model Vehicle Door Using Finite Element Method", *Theoretical and Applied Fracture Mechanics* 2003;40:113-121.
12. Kurtaran H, Büyük M, Eskandarian A. "Design Automation of a Laminated Armor for Best Impact Performance Using Approximate Optimization Method", *Int. J. of Impact Engineering* 2003;29(1-10):397-406.
13. Kurtaran H, Eskandarian A, Marzougui D, Bedewi N. "Crashworthiness Design Optimization Using Successive Response Surface Approximations", *Computational Mechanics* 2002;29(4-5):409-421.
14. Kurtaran H, Eskandarian A. "Design Optimization of Multi-body Systems under Impact Loading by Response Surface Methodology", *J. of Multi-body Dynamics* 2001;215(4):173-185.