

## Prof. SÜHA ORAL

### Personal Information

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### Advising Theses

- ORAL S., Determination of stresses in vlasov beam sections, Postgraduate, S.Erdoğan(Student), 2019
- ORAL S., Topology design of vlasov beam sections, Postgraduate, F.Çetin(Student), 2019
- ORAL S., Bi-directional evolutionary algorithm for volume constrained topology optimization of axisymmetric solids, Postgraduate, O.Ziya(Student), 2015
- ORAL S., Meshless local Petrov-Galerkin method for plane elasticity problems, Postgraduate, D.CAN(Student), 2014
- ORAL S., A MATLAB toolbox for finite element analysis of structures, Postgraduate, V.Kandemir(Student), 2014
- ORAL S., Optimum design of composite stiffened panels with instability considerations, Postgraduate, A.CANKURT(Student), 2013
- ORAL S., DAĞ S., Design of a vehicle barrier, Postgraduate, E.METİN(Student), 2013
- ORAL S., NUMERICAL SIMULATION OF LONG ROD PENETRATION IN RADIALY CONFINED CERAMIC ARMORS, Postgraduate, P.ACAR(Student), 2011
- ORAL S., Element-free galerkin method for plane stress problems, Postgraduate, F.Dilay(Student), 2010
- ORAL S., Analysis and modeling of plastic wrinkling in deep drawing, Postgraduate, S.Yalçın(Student), 2010
- ORAL S., Radial point interpolation method for plane elasticity problems, Postgraduate, O.Yıldırım(Student), 2010
- ORAL S., Prediction of plastic instability and forming limits in sheet metal forming, Postgraduate, B.Şanay(Student), 2010
- ORAL S., A genetic algorithm for 2d shape optimization, Postgraduate, W.Hang(Student), 2008
- ORAL S., Analysis of thin walled open section tapered beams using hybrid stress finite element method, Postgraduate, M.NAZIM(Student), 2008
- ORAL S., DARENDELİLER H., Finite element analysis of bending operation of aluminum profiles, Postgraduate, U.PENEKLİ(Student), 2008
- ORAL S., A genetic algorithm for 2D shape optimization, Postgraduate, W.HANG(Student), 2008
- ORAL S., A hybrid-stress nonuniform Timoshenko beam finite element, Postgraduate, U.DEMİRHİSAR(Student), 2007
- ORAL S., Evolutionary algorithms in design, Postgraduate, E.Çiftçi(Student), 2006
- ORAL S., Structural optimization using ANSYS, Postgraduate, H.MURAT(Student), 2006
- ORAL S., A genetic algorithm for structural optimization, Postgraduate, E.EYÜP(Student), 2006
- ORAL S., A stiffened DKT shell element, Postgraduate, H.Hüseyin(Student), 2005
- ORAL S., Optimum design of plates under dynamic conditions, Postgraduate, O.Kılıç(Student), 2003
- ORAL S., Optimum desing of plates under dynamic conditions, Postgraduate, O.KILIÇ(Student), 2003
- ORAL S., A Hybrid stress finite element for stability analysis of composite plates and shells, Postgraduate, C.TÜFEKÇİ(Student), 2002
- ORAL S., A Hybrid finite element formulation of single cell thin-walled beams, Postgraduate, A.GÖRAL(Student), 2002
- ORAL S., A hybrid stress finite element for stability analysis of composite plates and shells., Postgraduate, C.Tüfekci(Student), 2002
- ORAL S., A Hybrid stress finite element for thin walled open section beams, Postgraduate, D.ŞENAY(Student), 2002
- ORAL S., A hybrid finite element formulation of single cell thin-walled beams., Postgraduate, A.Göral(Student), 2002
- ORAL S., Analysis tools for size and shape design of laminated composite shells, Doctorate, F.Cıbrır(Student), 2001
- ORAL S., A stiffened shell finite element, Postgraduate, M.Üçüncü(Student), 2001
- ORAL S., A family of hybrid stress finite elements, Postgraduate, Y.Caner(Student), 2001
- ORAL S., A hybrid stress quadrilateral finite element for composite laminates, Postgraduate, İ.Emre(Student), 2001

ORAL S., A New stiffened shell finite element for buckling analysis, Postgraduate, M.Özkan(Student), 2001  
ORAL S., Shape optimal design of multi-purpose beam structures, Postgraduate, A.Metin(Student), 1999  
ORAL S., Optimum design of composite laminates with curved fiber courses under strength and stability constraints, Doctorate, İ.Kasap(Student), 1996  
ORAL S., Determination of displacements and stresses in isotropic and composite multi-link systems, Postgraduate, C.Özdemir(Student), 1995  
ORAL S., Determination of displacements and stresses in isotropic and composite multi-link systems, Postgraduate, C.ÖZDEMİR(Student), 1995  
ORAL S., Optimum design of composite box-beams, Postgraduate, F.Cıbir(Student), 1994  
ORAL S., Pre-and post-processing for nonlinear analysis of large truss and frame systems, Postgraduate, T.Gülüm(Student), 1994  
ORAL S., Optimum design of trusses using the sequential quadratic programming with the sensitivity analysis based on the skyline technique, Postgraduate, İ.Özsoy(Student), 1991  
ORAL S., A Shear flexible facet shell element for large deflection and instability analysis, Postgraduate, A.BARUT(Student), 1990

### **Refereed Congress / Symposium Publications in Proceedings**

#### **I. A hybrid stress element for thin-walled beams**

Oral S.

International Conference on Metal Structures, Miskolc, Hungary, 3 - 05 April 2003, pp.75-78