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<p>Education</p>	<p>2004-(on-going) PhD. University of Marmara, Mechanical Department</p> <p>2004, MSc. Gebze Institute of Technology, Department of Design and Manufacturing Engineering, Gebze, TURKEY</p> <p>2000, BSc., University of Marmara, Technical Education Mechanical Department, Istanbul, TURKEY</p>
<p>Work Experience</p>	<p>Product Manager, Kayabasi Makina ve Yedek Parca Sanayi Tic. Ltd. Sti</p> <p>Research Assistant, Gebze Institute of Technology, Department of Design and Manufacturing Engineering</p>
<p>Research Area</p>	<p>CAD</p> <p>CAE</p> <p>MECHATRONICS</p>
<p>Profession Education</p>	<p>Pneumatic (FESTO)</p> <p>Electro-Pneumatic (FESTO)</p> <p>PLC (Schneider Electric)</p>

	<p>Total Quality Management (IMES-KOSGEB)</p> <p>CMM (Transmetal A.S.)</p> <p>Unigraphics(CAD-CAM) (Bogazici Yazilim A.S.)</p> <p>DeForm (Figes Yazılım)</p> <p>Catia (Cadem)</p>
Foreign Language	English
Software Capability	<p>CAD/CAM/CAE (Pro/Engineer 2001, Catia V5.10, Autocad 2006, SolidWorks 2006, Unigraphics, ANSYS 10, ANSYSWorkbench, ANSYS/LS-Dyna, MoldFlow, Plastics Insight, MSC SuperForge, MSC MARC, DeForm</p> <p>Operating System (98, 2000, NT, XP)</p> <p>Various Programs (MS-Office, Matlab)</p> <p>Programming (PLC)</p>
Projects	<p>Ford Jumbo HR Sheet Metal Die Design, for FORD Motor Company</p> <p>Ford Jumbo MR Sheet Metal Die Design, for FORD Motor Company</p> <p>Ford Jumbo HR-E Sheet Metal Die Design, for FORD Motor Company</p> <p>Ford Jumbo MR-E Sheet Metal Die Design, for FORD Motor Company</p> <p>Jaguar MR-E Sheet Metal Die Design, for JAGUAR Motor Company</p> <p>Landrover HR-E Sheet Metal Die Design, for LAND-ROVER Motor Company</p>

	<p>Floor Milling Design for İMAŞ Machinery Ltd Company</p> <p>Computer Aided Color Machine for 7K Chemical Ltd Company</p>
Thesis	<p>PhD, A Probabilistic Analysis of Newly Design Cemented Hip Prosthesis by Using Approximate Methods and Numerical Optimization Algorithm</p> <p>M.Sc., Modeling and Finite Element Analysis of Cemented Hip Prosthesis</p> <p>B.S., Investigate of Automatic Gear</p>
Publication	<p>SCI</p> <p>1-Oguz Kayabasi, Fehmi Erzincanli, "Finite Element Modeling and Analysis of A New Cemented Hip Prosthesis", <i>Advances in Engineering software, Volume 37, Issue 7, July 2006, Pages 477-483</i></p> <p>2-Oguz Kayabasi, Emir Yuzbaşıoğlu, Fehmi Erzincanli, "Static, Dynamic and Fatigue Behaviors of Dental Implant Using Finite Element Method" <i>Advances in Engineering Software Volume 37, Issue 10, October 2006, Pages 649-658</i></p> <p>3-Oguz Kayabasi, Fehmi Erzincanli, "Shape Optimization Teeth Profile of Flexspline for Harmonic Drive by Finite Element Method", <i>Materials and Design (Volume 28, Issue 2, Pages 441-447, 2007).</i></p> <p>4-Zafer Senalp, Oguz Kayabasi, Hasan Kurtaran, Static, Dynamic and Fatigue Behavior of Newly Designed Stem Shapes for Hip Prosthesis Using Finite Element Analysis, <i>Materials and Design (Volume 28, Issue 5, Pages 1577-1583).</i></p> <p>5-Oguz Kayabasi, Bulent Ekici "Automated Design Methodology for Automobile Side Panel Die Using an Effective Optimization Approach" <i>Materials and Design</i> accepted for publication</p> <p>6-Oguz Kayabasi, Bulent Ekici "The Effects of Static, Dynamic and Fatigue Behavior on Three-Dimensional Shape Optimization of Hip Prosthesis by Finite Element Method" <i>Materials and Design</i> accepted for publication</p>

7-Oguz Kayabasi, Bulent Ekici “Probabilistic Design Of A Newly Designed Cemented Hip Prosthesis Using Finite Element Method” submitted to Materials and Design

8-Bulent Ekici, Oguz Kayabasi ”A New Approach To Minimize Errors Due To Trimming In Sheet Metal Forming Software” submitted to Materials and Design

9-Bulent Ekici, Oguz Kayabasi “An Implementation Of Proactive Assembly Design Process To Compare Its Efficiency” submitted to Materials and Design

10-İlker Demir, Oguz Kayabasi, Bulent Ekici “Probabilistic Design of Sheet-Metal Die by Finite Element Method” submitted to Materials and Design

11-Bulent Kaya, Oguz Kayabasi, Cuneyt Oysu, Bulent Ekici “Online Surface Roughness Prediction by Using Probabilistic Approach for End-Milling” submitted to International Journal of Machine Tools and Manufacture

Proceeding

1-Kayabaşı O., Büyük M., "Finite Element Modeling and Analysis of Bone-implant Hip Prosthesis ", *9th International Symposium on Biomedical Science and Technology*, September 19-22, 2002, Antalya, Turkey.

2-Kayabaşı O., Büyük M., “Kalça Protezinin Modellenmesi ve Sonlu Elemanlar Yöntemi ile Analizi”, *7. ANSYS Users Conference*, 31 Oct-3 November, 2002, Bursa, Turkey.

3-Erzincanlı, F., Kayabaşı, O.,” Finite Element Analysis Of Housing Stemmed Hip Prosthesis As A Means Of Reducing Stress Of The Femur”, *22nd Southern Biomedical Engineering Conference and a Special Symposium on Aortic Valve Sparing Surgery*, September 26-28, 2003 Charlotte, North Carolina, USA.

4-Erzincanlı F., Kayabaşı O., Finite Element Analysis Of Housing Stemmed Hip Prosthesis As A Means Of Reducing Stress Of The Femur, *The First Cappadocia Mechanical Engineering Symposium*, Niğde,

Turkey, July 14-16, 2004.

5-Kayabaşı O, Erzincanlı F., Stress Analysis Of Harmonic Gear Drive by Finite Element Method, The First Cappadocia Mechanical Engineering Symposium, Niğde, Turkey, July 14-16, 2004.

6-Kayabasi Oguz, Kaya Bulent, Senalp Zafer, Erzincanlı Fehmi, Predicted Fatigue Life of Sheet Metal Forming Die by Finite Element Method, 3rd International Conference and Exhibition on Design and Production of DIES and MOLDS, Bursa, Turkey, 17-19 June, 2004.

7-Kaya Bulent, Kayabasi Oguz, Senalp Zafer, Erzincanlı Fehmi, Fatigue Analysis of Hard Tool Design of an Automobile Mold, The First Cappadocia Mechanical Engineering Symposium, Niğde, Turkey, July 14-16, 2004.

8-Oğuz Kayabaşı, Değişik Tiplerde Geliştirilen Protez Sap Şekillerinin Sonlu Elemanlar Metodu İle Analizi, II. Ulusal Biomekanik Konferansı, 26-27 Kasım 2004, İstanbul.

9-Oguz Kayabasi, Bulent Ekici, Fehmi Erzincanlı, "Predicted Fatigue Life of Sheet Metal Forming Die by Finite Element Method" 4th International Conference and Exhibition on Design and Production of Machines and Dies/Molds accepted for publication