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### PERSONAL

<b>Date of Birth</b>	24.02.1939
<b>Place of Birth</b>	Ankara

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### EDUCATION

1961-1966	Imperial College of Science & Technology, University of London, Applied Mechanics, Ph.D.
1960-1961	Imperial College of Science & Technology, University of London, Applied Mechanics, M.S.
1956-1960	Middle East Technical University, Mechanical Engineering, B.S.

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### ACADEMIC POSITIONS

<b>September/2008- Now</b>	Professor, Department of Manufacturing Engineering, Atılım University, Turkey
<b>August/1969- August/2008</b>	Professor, Department of Mechanical Engineering Middle East Technical University, Turkey
<b>August/1981- January/1984</b>	Visiting Professor, Mechanical & Aerospace Engineering Department, Oklahoma State University, U.S.A.
<b>September/1966- June/1969</b>	Professor, Department of Mechanical Engineering Ottawa University, Canada

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### ADMINISTRATIVE DUTIES

<b>September/2011- Now</b>	Chairman of BOREN Center of Competence for Boron Coatings, ATILIM University
<b>August/2013- April/2017</b>	Chairman of Executive Board, Metal Forming Center of Excellence, ATILIM University
<b>September/2008- August/2013</b>	Chairman of Manufacturing Engineering Department, ATILIM University
<b>July/1987- July 1992</b>	Vice President, Middle East Technical University
<b>June/1984- June 1987</b>	Director of Graduate School of Natural and Applied Sciences, Middle East Technical University
<b>January/1984- May/1992</b>	Founding Director of CAD/CAM Robotic Center, Middle East Technical University
<b>May/1977- August/1981</b>	Founding Director of Mechanical Design and Manufacturing Research Center, Middle East Technical University
<b>September/1973- April/1977</b>	Chairman of Department of Mechanical Engineering, Middle East Technical University
<b>September/1971- September/1973</b>	Assistant Chairman of Department of Mechanical Engineering, Middle East Technical University

## HONORS&AWARDS

1	AFS Scholarship to study in St. Louis Park High School, Minnesota, USA 1955-56
2	Rector Profesör Woolrich Award- Graduate having highest GPA in Middle East Technical University (METU) in 1960, Ankara, Turkey
3	CENTO Fellowship to carry out graduate study towards Ph.D. degree at Imperial College of Science & Technology, London, UK
4	High Academic Performance Awards-Middle East Technical University (METU), Ankara, Turkey for the years: 2000,2001,2002,2003,2004,2005
5	Award for the highest number of graduate thesis supervision in Manufacturing given by National Export Agency-2012
6	Award for the best Ph.D. thesis supervision of the year by METU-Parlar Foundation- 2013
7	Award for the high technology thesis on boron nitride coating given by National Export Agency-2013
8	VII. Necdet Eraslan project competition, Istanbul Mechanical Engineering Society- Finalist in 2015
9	Dr. Akin Çakmakçı Turkish Technology Foundation (TTGV) – Thesis Award- Finalist 2016
10	Antibacterial/Antifungal characteristics of Boron Nitride Coatings- Finalist- National Export Agency-2018
11	Osteoblastic characteristics of Boron Nitride Coatings- Finalist- National Export Agency-2018
12	High academic performance and publication awards-ATILIM University for the years: 2008-2018

## RESEARCH INTERESTS

1	Metal Forming
2	Boron Nitride Coating
3	Computer Aided Design
4	Computer Aided Manufacturing
5	Computer Integrated Manufacturing
6	Robotics
7	Tribology

## PROFESSIONAL SERVICE

1	Publisher, Journal of Mechanical Design and Production
2	Editor, International Journal of Mechatronics and Manufacturing Systems

## PUBLICATIONS- Journal Papers

83.	Dizaji, Shahram Abbasnejad; Darendeliler, Haluk, Kaftanoglu, Bilgin, "Prediction of forming limit curve at fracture for sheet metal using new ductile fracture criterion", European Journal of Mechanics A-Solids, Volume: 69 Pages: 255-265 Published: MAY-JUN 2018
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82.	Kayhan, Erdem; Kaftanoglu, Bilgin, "Experimental investigation of non-isothermal deep drawing of DP600 steel", International Journal of Advanced Manufacturing Technology, Volume: 99 Issue: 1-4 Special Issue: SI Pages: 695-706 Published: OCT 2018
81.	T. Pepelnjak & E. Kayhan & B. Kaftanoglu, " Analysis of non-isothermal warm deep drawing of dual-phase DP600 steel", International Journal of Material Forming, THEMATIC ISSUE: ADVANCES IN MATERIAL FORMING SIMULATION, <a href="https://doi.org/10.1007/s12289-018-1400-0">https://doi.org/10.1007/s12289-018-1400-0</a> , Accepted: 3 January 2018
80.	Dizaji, Shahram Abbasnejad; Darendeliler, Haluk; Kaftanoglu, Bilgin, " A Study on the Constitutive Equation Effects in the Fracture Initiation of AA5450 Sheets", 15 July 2018, Proceedings of the 7th International Conference on Fracture Fatigue and Wear pp 78-83, Springer, Singapore. DOI <a href="https://doi.org/10.1007/978-981-13-0411-8_8">https://doi.org/10.1007/978-981-13-0411-8_8</a>
79.	K. Wegener, J. Mayr, M. Merklein, B. Behrens, T. Aoyama, M. Sulitka, J. Fleischer, P. Groche, B.Kaftanoglu, N. Jochum, H. Möhring, " Fluid elements in machine tools", Keynote Paper, CIRP Annals-Manufacturing Technology, Vol: 66 (2017) S: 611-634 Kasım, 2017
78.	H.Kalkan, T. Hacaloglu, B. Kaftanoglu, "Experimental investigation of friction in deep drawing", The International Journal of Advanced Manufacturing Technology, Vol. 92, Issue 9-12, Sayfa: 3311-3318, DOI: 10.1007/s00170-017-0401-3, Ekim 2017
77.	B. Çetin, G. Durkaya, H.Kurtuldu, T.Hacaloğlu, M.Gürbüz, B. Kaftanoğlu, " Wear resistance performance of boron nitride coatings on end milling cutters", Int. J. Mechatronics and Manufacturing Systems, Vol. 10, No. 3, 2017
76.	Kalkan, H., Hacaloğlu, T., Kaftanoğlu, B., " Sac Şekillendirme İşleminde Sürtünmenin İncelenmesi", Makina Tasarım Dergisi, Sayı: 2, sayfa: 88-94, Kasım 2016.
75.	Kayhan, E., Kaftanoğlu, B., " Yüksek mukavemet çeliklerinin derin çekme oranlarının geliştirilmesi için yapılan deneysel çalışmalar", Makina Tasarım Dergisi, Sayı: 2, sayfa: 77-87, Kasım 2016.
74.	Gökmenoğlu, C., Özmeriç, N., Çakal, G., Dökmetaş, N., Ergene, C., Kaftanoğlu, B., " Coating of titanium implants with boron nitride by RF-magnetron sputtering", Bulletin of Materials Science, September 2016, Volume 39, Issue 5, pp 1363-1370
73.	Dizaji, SA, Darendeliler, H, Kaftanoglu, B., "On the fracture prediction of 304L stainless steel sheets utilizing different hardening models", Numisheet, Journal of Physics: Conference Series 734 (2016) 032021 doi:10.1088/1742-6596/734/3/032021
72.	Şengönül M., Durgun İ., Dökmetaş N., Kalkan H., Kaftanoğlu, B., "Bor Nitrür Kaplamanın, Kaynak Çapaklarının Metal Aparat Yüzeylerine Yapışma Davranışlarına Etkisi", Makina Tasarım Dergisi, Cilt 1, Sayı:1, 2016, pp.23-30.
71.	Arisoy, YM,; Guo, CS., Kaftanoglu, B., Ozel, T., "Investigations on Microstructural Changes in Machining of Inconel 100 Alloy Using Face Turning Experiments and 3D Finite Element Simulations", International Journal Of Mechanical Sciences, Volume: 107, Pages: 80-92, DOI: 10.1016/j.ijmecsci.2016.01.009, Published: MAR 2016.
70.	Dizaji, SA, Darendeliler, H, Kaftanoglu, B., " Effect of hardening models on different ductile fracture criteria in sheet metal forming", International Journal of Material Forming, Volume: 9, Issue: 3, Pages: 261-267, DOI: 10.1007/s12289-014-1188-5, Published: JUL 2016
69.	B. Kaftanoğlu, N. Dökmetaş, A. E. S. Özhan, T. Hacaloğlu, M. Kılıçkan, On Boron Nitride Coating of Metals, "Nano Studies ", 10, s.21-28, (2014)
68.	S.A.Dizaji, H.Darendeliler, B. Kaftanoğlu, Effect of hardening models on different ductile fracture criteria in sheet metal forming, "International Journal of Material Forming ", (Springer), s., (2014)
67.	Y. Karpat, O. Bahtiyar, B. Deger, B. Kaftanoglu, Drilling of UD-CFRP Laminates with PCD Drills, "CIRP Annals ", 63, (Elsevier), s.81-84., (2014)

66.	B. Kaftanoğlu, N.Dökmetaş, An Environmentally Friendly Method of Cutting and Forming of Materials by c-BN Coated Tools, "International Journal of Sustainable Manufacturing (IJSM) ", 3, s.143-155, (2014)
65.	N.Dökmetaş, B.Kaftanoğlu, Boron Nitride (BN) Coating of Tools and Dies to Improve Performance in Manufacturing Applications, "International Journal of Mechatronics and Manufacturing Systems, IJMMS ", 7, (Inderscience), s., (2014)
64.	Kaftanoğlu, B., Dökmetaş, N., Performance of boron nitride coated tools and dies, "Advances in Production Engineering & Management ", 8, (Production Engineering Institute (PEI)), s.177-184, (2013)
63.	Caglar, A.; Yamali, C.; Baker, Derek K, Kaftanoglu B., MEASUREMENT OF SOLAR RADIATION IN ANKARA, "JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY ", Volume: 33, s.135-142, (2013)
62.	Y.Karpat, N. Polat, B. Kaftanoğlu (2013). "Mechanistic force modeling for milling of carbon fiber reinforced polymers with double helix tools", CIRP Annals- Manufacturing Technology, presented at 63 rd CIRP General Assembly, 18-25 August, Copenhagen, Denmark.
61.	Solmus, Ismail; Rees, D. Andrew S.; Yamali, Cemil,Kaftanoglu, Bilgin, Numerical investigation of coupled heat and mass transfer inside the adsorbent bed of an adsorption cooling unit , "INTERNATIONAL JOURNAL OF REFRIGERATION ", Vol 35, s.652 -662
60.	Kaftanoglu B. TIAD - TT MAGAZIN / 46. Ocak - Şubat 2012 Sayısı / 10 Ocak 2012 / Kubik Bor Nitru Kaplamalar Makalesi
59.	Kaftanoglu B., " Mühendisliğin Gelişmesi ve İmalat Mühendisliği", ", Cumhuriyet Gazetesi, 08-06-2012
58.	Kaftanoglu B., " Yenilikçilik (Innovation) ve Teknolojik Gelişme", Cumhuriyet Gazetesi, 06-01-2012
57.	Kaftanoglu B., " Bir Ülkenin Sanayi Gelişim Süreci", MOMENT-EXPO Dergisi, Haziran 2012, Sayı 49, pp: 24-25
56.	Kaftanoglu B., "Kübik Bor Nitrür Kaplamalar", TIAD-TT Magazin, Sayı 46, Ocak-Şubat 2012 pp: 46-48.
55.	Solmuş İ., Kaftanoğlu B., Yamalı C., Baker D., Experimental Investigation of a Natural Zeolite-Water Adsorption Cooling Unit, Applied Energy, Vol.88(2011), 4206-4213.
54.	Celik, G., Kaftanoglu B., Karadogan C., Investigation of Influence Parameters on Forming Limit Diagrams of Aluminum Alloy-AA2024, Key Engineering Materials Vol. 473 (2011) pp 382-389 (2011) Trans Tech Publications, Switzerland
53.	Taylan, O, Baker, D., Kaftanoğlu, B. (2011) Normalized Thermodynamic Model for Intermittent Energy Systems and Application to Solar-Powered Adsorption Cooling Systems. International Journal of Thermodynamics, Vol. 14, No. 3, pp. 107-115. DOI: 10.5541/ijot.289.
52.	Özel T., Thepsonthi T., Ulutan D., Kaftanoglu B., Experiments and Finite Element Simulations on Micro-Milling of Ti-6Al-4V Alloy with Uncoated and cBN coated Tools, CIRP-Annals-Manufacturing Technology (Elsevier), Vol: 60/1- 2011 pages: 85- 88.
51.	Çelik, G., Kaftanoglu B., Karadogan C., "AA2024 Alüminyum Alaşımı için Şekillendirilebilme Sınır Diyagramlarını Etkileyen Parametrelerin İncelenmesi", Makina Tasarım ve İmalat Dergisi, , Cilt 12, Sayı 1, Mayıs 2011, pp: 28-33
50.	Yalcin S., Kaftanoglu B., "Derin Çekme İşlemlerinde Plastik Buruşma Analizi ve Modellemesi", Makina Tasarım ve İmalat Dergisi, Cilt 12, Sayı 1, Mayıs 2011, pp: 10-17
49.	Şanay B., Kaftanoglu B., "Sac Metal Şekillendirmesinde Plastik Kararsızlık ve Şekillendirme Limitlerinin Belirlenmesi", Makina Tasarım ve İmalat Dergisi, Cilt 12, Sayı 1, Mayıs 2011, pp: 18-27

48.	Solmuş, İ., Rees, D.A.S., Yamalı, C., Kaftanoğlu, B., Baker, D., "Numerical Investigation of Coupled Heat and Mass Transfer Inside the Adsorbent Bed of an Adsorption Cooling Unit", International Journal of Refrigeration, 2011
47.	Taylan, O., Baker, D. K., and Kaftanoğlu, B. "COP Trends for Ideal Thermal Wave Adsorption Cooling Cycles with Enhancements." International Journal of Refrigeration, DOI: 10.1016/j.ijrefrig.2010.07.008, 2011.
46.	Taylan O., Baker, D.K., Kaftanoğlu, B. "A New Normalized Model for Intermittent Energy Systems and Application to Solar-Powered Adsorption Cooling Systems", International Journal of Thermodynamics (IJoT), 2010 (In Review: 1st Review Completed).
45.	Cesur H., Kaftanoğlu B., Kalkanlı A., Oral B., Bor nitrür kaplamaların çelik alttaşlar üzerinde RF magnetron saçtırma yöntemiyle büyütülmesi, Makine Tasarım İmalat Dergisi, 2009
44.	T. Özel, M. Sima <sup>1</sup> , A. K. Srivastava, B. Kaftanoğlu, "Investigations on the Effects of Multi-Layered Coated Inserts in Machining Ti-6Al-4V Alloy with Experiments and Finite Element Simulations", CIRP ANNALS-Manufacturing Technology 59 (2010) 77-82
43.	Ismail Solmuş, Cemil Yamalı, Bilgin Kaftanoğlu, Derek Baker, Ahmet Çağlar, "Adsorption Properties of a Natural Zeolite-Water Pair for use in Adsorption Cooling Cycles", Applied Energy, vol. 87, 2010, pages 2062-2067
42.	Cesur H., Kaftanoğlu B., Kalkanlı A., Oral B., Bor nitrür kaplamaların çelik alttaşlar üzerinde RF magnetron saçtırma yöntemiyle büyütülmesi, Makine Tasarım İmalat Dergisi, 2009
41.	Lazoglu, I., Ulutan, D., Alaca B. E., Engin S., Kaftanoğlu B., "An Enhanced Analytical Model for Residual Stress Prediction in Machining", Annals of the CIRP, Vol: 57, 1/2008
40.	Özel T., Karpat Y., Srivastava A., Kaftanoğlu B., "Hard Turning with Variable Micro-Geometry PcBN Tools", Annals of the CIRP, Vol: 57, 1/2008
39.	Fırat, M., Kaftanoğlu, B., Eser O., "Sheet Metal Forming Analyses with an Emphasis on the Springback Deformation, Journal of Materials Processing Technology, 196, 135-148 (2008).
38.	Baker, D.K. and B. Kaftanoğlu, "Predicted Impact of Collector and Zeolite Choice on the Thermodynamic and Economic Performance of a Solar Powered Adsorption Cooling System", Experimental Heat Transfer journal, 20:2, pp. 103-122, 2007.
37.	Bayraktar H., Kaftanoğlu B., " Endüstriyel Bir Robot için Stereo Görüş Sistemi Geliştirilmesi", Makina Tasarım ve İmalat Dergisi, Cilt 7, Sayı 2 Kasım 2005, sayfa: 57-67
36.	Mahir Cihan Cengiz, Prof. Dr. Bilgin Kaftanoğlu, Endüstriyel Bir Robot İçin İnsan-Makina Arayüz Programının Geliştirilmesi, Makina Tasarım ve İmalat Dergisi, Cilt:6 Sayı:2 Sayfa:99-107, 11/2004
35.	M. Dölen , B. Kaftanoğlu , R.D. Lorenz, A Cutting Force Estimator for CNC Machining Centers, Annals of the CIRP, Vol : 53 Page: 313-316, 1/2004
34.	M. Dölen , B. Kaftanoğlu , R.D. Lorenz, Cross Reference Models for Estimating Unknown Principal Force Components in End-Milling process, Annals of the CIRP, Vol : 52 Page : 81-84, 8/2003
33.	Ata Hançer Uysal, Bilgin Kaftanoğlu, Traktör Fren Sistemlerinin Fonksiyonel Analizi ve Geliştirilmesi, Makina Tasarım ve İmalat Dergisi, Cilt 4 Sayı: 4 Sayfa: 236-247, 11/2002
32.	C. Çoğun, S. Akaslan, B. Kaftanoğlu, An Investigation on Tool Electrode Edge Wear in Electric Discharge Machine, Canadian Society of Mechanical Engineering Transactions, Page : 6, 7/2001
31.	B. Kaftanoğlu, O. Eren, Altı Serbestlik Dereceli Bir Endüstriyel Robotun Tasarımı, İmalatı ve Çalıştırılması, Makina Tasarım ve İmalat Dergisi, 11/2001
30.	Konukseven, İ., Kaftanoğlu, B., "Multisensor Controlled Robot System for Recognizing and Tracking Moving Multiple Objects", Journal of Robotic Systems, 16(11), 651-665, 1999.

29.	Kaftanođlu, B., Alkan, O., "Computer Aided Design of Rotary Screen and Conveyor for Solid Waste Processing", Journal of Machine Design and Manufacturing, Vol. 3, No 4, September 1998, 154-160,
28.	Kaftanođlu, B., "Design and Manufacturing of Dies and Molds", Journal of Industry and Automation, March 1998, No 12, 16-18. (In Turkish)
27.	Alniak, O., Kaftanođlu, B., "Powder Metallurgy Constitutive Equations", Tr. Journal of Engineering and Environmental Sciences 21 (1997) 371-377. (In Turkish)
26.	Kaftanođlu, B., Yahşı, O., "Computer Aided Modeling of the Tube Drawing Process", Journal of Mechanical Tech. No 6, pp 48-50, 1995. (In Turkish)
25.	Alniak, O., Kaftanođlu, B., Ankara, A., "Thermo-Mechanical and Micro-Dynamical Behaviours of Super Alloys", Turkish Journal of Engineering and Environmental Sciences, Vol. 18, No. 4, pp. 271-280, 1994.
24.	Rincon, D. M., Ulsoy, A. G., Kaftanođlu, B., "Effects of Drill Vibrations on Cutting Forces and Torque", Annals of the CIRP, Vol. 43/1/1994, pp. 59-62, 1994.
23.	Kaftanođlu, B., Konukseven, E. İ., "Role of Robotic Applications in CAD/CAM/CAE ", CAD/CAM/CAE Journal, No. 4, pp. 19-22, Aug. 1994. (In Turkish)
22.	Kaftanođlu, B., Gökler, M. İ., "Main Stages in Industrial Development and What can be done in CAD/CAM/CAE during the Economic Crisis?", CAD/CAM/CAE Journal, No. 3, pp. 21-23, May 1994. (In Turkish)
21.	Kaftanođlu, B., Gökler, M. İ., "CAD/CAM/CAE Applications Force Computer Technology", CAD/CAM/CAE Journal, No. 2, pp. 23-25, Feb. 1994. (In Turkish)
20.	Kaftanođlu, B., Gökler, M. İ., "No End to Waiting", CAD/CAM/CAE Journal, No. 1, pp. 18-19, Nov. 1993. (In Turkish)
19.	Alniak, O., Kaftanođlu, B., "Thermo-Mechanical Behavior of Super Alloys", Mechanical Engineering, 33, No. 387, pp. 27-35, April 1992, (In Turkish).
18.	Darendeliler, H., Kaftanođlu, B., "Deformation Analysis of Deep-Drawing by a Finite Element Method", Annals of the CIRP, Vol. 40/1/1991, pp. 281-284.
17.	Arıkan, M. A. S., Kaftanođlu, B., "Dynamic Load and Root Stress Analysis of Spur Gears", Annals of the CIRP, Trondheim, Norway, Vol. 38/1/1989, pp. 171-174, Aug. 21-23, 1989.
16.	Oral, S., Kaftanođlu, B., "A Three-Node Shear-Flexible Hybrid-Stress Finite Element for the Analysis of Laminated Composites", Journal of Thermoplastic Composite Materials, Vol. 1, 339-360, 1988.
15.	Oral, S., Kaftanođlu, B., "On the use Composite Materials by the Industry", Journal of Machine Design and Production, Vol. 1, pp. 202-205, 1987, (In Turkish).
14.	Kaftanođlu, B., Lange, K., "Computer-Aided Modelling of Tube-Drawing", Annals of the CIRP, Vol. 34/1/1985, Presented at CIRP General Assembly Palermo, Italy, pp. 249-252, Aug. 25-28, 1985.
13.	Nguyen, D., Kaftanođlu, B., "Computer-Aided Design of a Punch Assembly", ASME Design Engineering Journal, 1983.
12.	Kaftanođlu, B., Tekkaya, A. E., "Complete Numerical Solution of the Axisymmetrical Deep-Drawing Problem", ASME J. of Engr. Mat. and Tech., Vol. 103, Oct. 1981, pp. 326-332. Also presented at WAM in 1981.
11.	Erden, A., Kaftanođlu, B., "Thermo-Mathematical Modelling and Optimization of Energy Pulse Forms in Electric Discharge Machining", International J. of Machine Tool Design and Research, Vol. 21, No. 1, pp. 11-22, 1981.

10.	Kaftanođlu, B., Sivaci, K., "Investigation of the Plastic Properties of Certain Ferrous and Non-Ferrous Materials at High Temperature", Paper presented at the Winter Annual Meeting of A.S.M.E., Houston, Texas, Nov. 30 - Dec. 4, 1975. Also published in J. of Eng. Mat. and Tech., July 1976, 203-212.
9.	Kaftanođlu, B., "A Method for Estimating the Limiting Drawing Ratio in Deep-Drawing", Presented at the 2nd International Conference on Production Research, 27-31 August 1973, Copenhagen. Also, Int. J. Prod. Res. 12 (1974), No. 1, 89-98.
8.	Kaftanođlu, B., "Determination of Coefficient of Friction under Conditions of Deep-Drawing and Stretch Forming", Presented at the First World Conference on Industrial Tribology, Dec. 11-18, 1972, New Delhi, India. Also, Wear, 25 (1973), 177-188.
7.	Kaftanođlu, B., "Plastic Instability of Thin Shells Deformed by Rigid Punches and by Hydraulic Pressure", Paper presented at the ASME Winter Annual Meeting, New York, No. 26-30, 1972 (72 WA/MAT-4). Also, Trans A.S.M.E. J. Eng. Mat. and Tech. 95 Series H. No. 1, Jan. 1973, 36-40.
6.	Kaftanođlu, B., Alexander, J. M., "On Quasistatic Axisymmetrical Stretch Forming", Int. J. Mech. Sci. 12, (1970), 1065-1080.
5.	Kaftanođlu, B., "Discussion on High-rate Forming", Proc. Instn. Mech. Engrs. 179 (1964-65), No. 7, Pt. 1, 283.
4.	Kaftanođlu, B., "Discussion on Mechanical Anisotropy in Sheet Metals", J. Inst. Metals 93 (1964-65), 486.
3.	Kaftanođlu, B., "Letter to the Editor", Int. J. Mech. Sci., 7 (1965), 447.
2.	Kaftanođlu, B., "Communications", J. Mech. Eng. Sci., 7 (1965), No. 1, 123.
1.	Kaftanođlu, B., Alexander, J. M., "An Investigation of the Erichsen Test", J. of Inst. Metals, 90 (1961-62), 457-470. Also, Discussion in 93 (1964-65), 323-325.

## PUBLICATIONS- Conference Papers

195.	Bilgin Kaftanođlu, " Neden Kaplama Yapılır & Bor Nitrür Kaplama ve Karakterizasyon Teknolojileri", 2 Ekim 2018, Borlu Kaplama Teknolojileri Semineri, BOREN, Ankara
194.	Tunç Safa Altunsaray, Tuğçe Hacalođlu, Bilgin Kaftanođlu, "Optimization of Roll Formed Beams Used in Ceiling Construction", 3rd International Conference on Engineering Technology and Applied Sciences (ICETAS), 16-21 Temmuz 2018, Skopje, Makedonya
193.	Bilgin Kaftanođlu, Bor Nitrür Kaplama Teknolojilerinin Savunma Sanayi İçin Önemi, 4. Kara Sistemleri Semineri, 5-6 Kasım 2018, ODTÜ Ankara
192.	B. Kaftanođlu," Sanayi 4.0 Devrimi", Makina Mühendisleri Odası, 16 Kasım 2017, Ankara
191.	B. Karabulut, C.M. Tatar, T. Hacalođlu, T.S.Altunsaray, Ş. Baytarođlu, B.Kaftanođlu," Design and Development of A Grinding and Polishing Machine", 8. Uluslararası Talaşlı İmalat Sempozyumu, 2-4 Kasım, Antalya, CD Proceedings

190.	B. Kaftanođlu," Sanayi 4.0 Devrimi ve Bor Nitrür Kaplamaların Sanaide Uygulanması", Makina Mühendisleri Odası, 22 Mayıs 2017, Diyarbakır
189.	B. Kaftanođlu," Ülkemizin Sanayi 4.0 Devrimini Kaçırmaması için Neler Yapmalıyız", Makina Mühendisleri Odası, 20 Haziran 2017, Ankara
188.	B. Kaftanođlu, "Sanayi Gelişiminde Neredeyiz ve Sanayi 4.0 Devrimine Nasıl İntibak Edeceğiz", İleri Teknoloji V. Çalıştayı, 23 Ekim 2017, Piri Reis Üniversitesi, Tuzla, İstanbul
187.	T.Hacalođlu, Tunç Safa Altunsaray, B. Kaftanođlu," Bor Nitrür (BN) Kaplamaların Yüzey Özelliklerini Belirleme Teknolojileri", International Symposium on Industry 4.0 and Applications, 12-14 Ekim, 2017, Karabük, CD Proceedings
186.	B. Kaftanođlu, "Sanayi 4.0 Devrimi Nedir, Savunma Sanayimiz için Neler Yapmalıyız", 8. Deniz Sistemleri Semineri, ODTÜ, 16-17 Ekim 2017. CD Proceedings.
185.	Pepelnjak T., Kaftanoglu B., "Finite element analysis of non-isothermal warm deep drawing of dual phase steel", 12th International Conference on Numerical Methods in Industrial Forming Processes (NUMIFORM'2016), University of Technology of Troyes (France), 4-7 July 2016.
184.	Hacaloglu T., Kaftanoglu B., "Characterisation of Boron Nitride Coatings", NANO 2016 / 24-27 October 2016, Tbilisi, Georgia.
183.	Kaftanoglu, B., "Metal Şekillendirme İşlemlerinde Süreç Geliştirme/Malzeme Karakterizasyonu", 29 Nisan 2016, Gaziantep Üniversitesi, Gaziantep
182.	Kaftanoglu, B., "Metal Şekillendirme ve Kaplama Konusunda Arge Olanakları ve Savunma Sanayi Uygulamaları", 3. Kara Sistemleri Semineri, 7-8 Kasım, 2016, ODTÜ,Ankara
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71	CANSU ERGENE	BİLGİN KAFTANOĞLU	Development and Investigation of Inorganic and Organic Smart Surfaces for Anti-Biofouling Applications	2014
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63	YASEMİN USTA	DEREK BAKER BİLGİN KAFTANOĞLU	Simulations of a large scale solar thermal power plant in turkey using concentrating parabolic trough collectors	2010
62	SERHAT YALÇIN	SUHA ORAL BİLGİN KAFTANOĞLU	Analysis and modeling of plastic wrinkling in deep drawing	2010
61	BUKET AYGÜN	KAHRAMAN ALBAYRAK BİLGİN KAFTANOĞLU	Conceptual Design and Analysis of an Industrial Type Vacuum Sweeper	2009
60	HALİL CESUR	YİĞİT YAZICIOĞLU BİLGİN KAFTANOĞLU	Development of Cubic Boron Nitride (CBN) Coating Process for Cutting Tools	2009
59	DERVİŞ EMRE DEMİROCAK	DEREK BAKER BİLGİN KAFTANOĞLU	Thermodynamic and economic analysis of a solar thermal powered adsorption cooling system	2008

58	MEHMET ALI PİŞKİN	BİLGİN KAFTANOĞLU	Computer Aided Modelling of Wrinkling and Its Prevention	2005
57	HAKAN BAYRAKTAR	BİLGİN KAFTANOĞLU	Development of A Stereo Vision System for An Industrial Robot	2004
56	MAHİR CİHAN CENGİZ	BİLGİN KAFTANOĞLU	Software Development for Man-Machine Interface for An Industrial Robot	2003
55	OYKUN EREN	BİLGİN KAFTANOĞLU	Production, Assembly and Application of an Industrial Robot	2001
54	ÖZGÜR BEKİROĞLU	BİLGİN KAFTANOĞLU	Problems in Implementing QS-9000 and the Degree of Readiness of the Smes	1999
53	SERHAN AÇIKGÖZ	BİLGİN KAFTANOĞLU	Computer Aided Bevel and Worm Gear Design	1999
52	SEDAT DURŞUN KILIÇ	BİLGİN KAFTANOĞLU	Computer Aided Design of Journal Bearings and Computer Aided Selection of Anti- Friction Bearings	1999
51	ŞÜKRÜ BÜLENT TOKER	BİLGİN KAFTANOĞLU TUNA BALKAN	Virtual Modelling Planning and Production of Parts of an Industrial Robot	1999
50	A.NECİP ATAY	TUNA BALKAN BİLGİN KAFTANOĞLU	Optimal Design of Power Transmission Shafts	1998
49	A.SERKAN GÖZÜBÜYÜK	BİLGİN KAFTANOĞLU	A Comparative Study on Computer Aided Modelling of non-Circular Deep Drawing	1998
48	TOLGA ÜNVER	BİLGİN KAFTANOĞLU	The Computer Aided Design of an Industrial Robot	1997
47	CENGİZ TENDÜRÜS	HALUK DARENDELİLER BİLGİN KAFTANOĞLU	Finite Element Modeling of non- Axisymmetric Deep Drawing	1997
46	OKTAY YILDIRIM	HALUK DARENDELİLER BİLGİN KAFTANOĞLU	Experimental and Numerical Analysis of Deep Drawing	1997
45	ATA HANÇER UYSAL	HALUK DARENDELİLER BİLGİN KAFTANOĞLU	Functional Analysis, Optimization and Development of the Brake System in Turk- Fiat Tractors	1997
44	ERAY ULUGÜL	HALUK DARENDELİLER BİLGİN KAFTANOĞLU	Computer Aided Optimal Design of Spur and Helical Gears	1997
43	BÜLENT ÖNALIR	TUNA BALKAN BİLGİN KAFTANOĞLU	Computer Aided Simulation of Injection Molding Process for Thermoplastic Materials	1997
42	OKAN ALKAN	BİLGİN KAFTANOĞLU	Computer Aided Design of Rotary Screen And its Conveyor for Solid Waste Processing System	1996
41	M. ERDAL ÇAĞLAYAN	BİLGİN KAFTANOĞLU	Computer Aided Design of an Industrial Robot Arm	1994

40	ÇETİN ENÖZ	BİLGİN KAFTANOĞLU	Computer Aided Sport Shoe Sole Design	1994
39	NURİ ÇARKOĞLU	BİLGİN KAFTANOĞLU	Computer Aided Mechanical Power Transmission System Design	1992
38	FARUK ATA	BİLGİN KAFTANOĞLU	Computer Aided Analysis of Wire and Tube Drawing	1990
37	MİNE AYDOĞAN	BİLGİN KAFTANOĞLU	Development of a Method to Improve the Limiting Drawing Ratio of Blanks Using Preferential Heating of the Flange Region	1989
36	ERHAN İLHAN KONUKSEVEN	BİLGİN KAFTANOĞLU	Graphical Simulation and Programming of Robots	1989
35	NİYAZİ ULUDAĞ	BİLGİN KAFTANOĞLU	Design and Construction of a Six Degrees of Freedom Industrial Robot	1989
34	MUHARREM KAYNAKÖZ	BİLGİN KAFTANOĞLU	Integration of Computer Programs for Power Transmission Elements	1988
33	ALİ DOĞRUSÖZ	BİLGİN KAFTANOĞLU	First Stage Development of a 2-D Computer-Aided Drawing Package	1988
32	OKTAY TATAR	BİLGİN KAFTANOĞLU	Computer Aided Material Data Processing and Acquisition	1988
31	KAMİL LALELİ	BİROL KILKIŞ BİLGİN KAFTANOĞLU	Computer Aided Design of Rigid and Flexible Mechanical Couplings	1988
30	ÖZCAN KAHRAMANGİL	BİROL KILKIŞ BİLGİN KAFTANOĞLU	Computer Aided Design of Bevel Gears	1988
29	ÖMER OĞUZ KAYA	BİROL KILKIŞ BİLGİN KAFTANOĞLU	Computer Aided Analysis of Axisymmetric Ring Forging	1988
28	OYA YAŞI (ÇINARLI)	BİLGİN KAFTANOĞLU	Computer Aided Design of Spur and Helical Gears	1987
27	METİN KARAYAKA	BİLGİN KAFTANOĞLU	Computer Aided Modelling of Material Properties in Plastic Range	1987
26	CİHAT AKSOY	BİLGİN KAFTANOĞLU	Computer Aided Analysis and Modelling of Wire-Drawing	1987
25	YAVUZ KADIOĞLU	BİLGİN KAFTANOĞLU	Computer Aided Development of Material Models	1986
24	İBRAHİM ÇAĞLAR ŞAHİN	BİLGİN KAFTANOĞLU	Computer-Aided Design of Brakes and Clutches	1986
23	AHMET CÜNEYT YÜRÜR	BİLGİN KAFTANOĞLU	Computer Aided Testing of Metals at High Temperatures and Strain-Rate	1986
22	REŞİT SOYLU	BİLGİN KAFTANOĞLU	Specific Energy Optimization in Flywheels	1982
21	HALİL SEDAT ERGÜR	BİLGİN KAFTANOĞLU	Optimized Computer-Aided Design of Gear Transmissions for Perpendicular Shafts	1981

20	HIFZI ARDIÇ	BİLGİN KAFTANOĞLU	Optimized Computer Aided Design of Journal Bearings	1981
19	MEHMET ALİ SAHİR ARIKAN	BİLGİN KAFTANOĞLU	Computer-Aided Design of Shafts and Selection of Antifriction Bearings	1981
18	FERİDUN KIZILCAN	BİLGİN KAFTANOĞLU	Setting Up of Ultrasonic Rotary Machine and Investigation of its Machining Characteristics	1981
17	MUSTAFA UNAN	BİLGİN KAFTANOĞLU	Design and Construction of a Non-Slipping Wire Drawing Machine	1980
16	AHMET ERMAN TEKKAYA	BİLGİN KAFTANOĞLU	Complete Numerical Solution of the Axisymmetrical Deep-Drawing Problem	1980
15	BAHRİ TÜRKMEN	BİLGİN KAFTANOĞLU	Optimized Computer-Aided Design of Gear-Transmissions	1979
14	ŞİNASI ÇOLAK	BİLGİN KAFTANOĞLU	Design of Conveying and Hot Water Generation System of a Bottling Plant	1979
13	ERMAN ÖZDAMAR	BİLGİN KAFTANOĞLU	Design and Construction of a Hydraulic Bulge Tester and Preliminary Experiments	1978
12	HAKKI SUHA ÜNSAL	BİLGİN KAFTANOĞLU	Design of a Bottle Filling and Capping Machine	1978
11	MEVLUT SEMİH ÜNLÜ	BİLGİN KAFTANOĞLU	Design of a Bottle Washing Machine	1978
10	VURAL ÖZSALMAN	BİLGİN KAFTANOĞLU	Numerical Solution of the Airy Stress Function for Plane Stress and Plane Strain Problems in Polar Coordinates When the Effects of Temperature and Body Forces are Negligible	1974
9	AHMET KENAN SIVACI	BİLGİN KAFTANOĞLU	Determination of Plastic Properties and Anisotropy Parameters of Some Ferrous and Non-Ferrous Materials, Produced in Turkey, at Elevated Temperatures	1974
8	CANDAR YOSUNÇIĞIR	BİLGİN KAFTANOĞLU	Design and Construction of a Tube Testing Apparatus and Investigation of Plastic Deformation Under Hydraulic Pressure	1974
7	MEHMET YAVUZ YÜCEL	BİLGİN KAFTANOĞLU	Theoretical Analysis of the Tube Drawing Process and Design of a Tube Drawing Bench	1974
6	BİROL KILKIŞ	BİLGİN KAFTANOĞLU	Computer Aided Design of Heating Systems of Buildings	1973
5	MEHMET ERKAN EDİS	BİLGİN KAFTANOĞLU	Development of a Computer Program for the Numerical Solution of Hydraulic Bulging of a Flat Isotropic Diaphragm	1972
4	MEHMET ENDER ÇAKIROĞLU	BİLGİN KAFTANOĞLU	A Thesis Study on the Determination of the Properties of Some Ferrous Materials Produced in Turkey, in the Plastic Range	1971
3	HÜSEYİN BAKİ ÇETİNYÜREK	BİLGİN KAFTANOĞLU	An Investigation on the Determination of the Properties of Certain Non-Ferrous Materials Produced in Turkey, in the Plastic Range	1971
2	TANER YAZGAN	BİLGİN KAFTANOĞLU	Design and Construction of a Hydraulic Bulge Tester	1971

1	GÜVEN AKSU	BİLGİN KAFTANOĞLU	Numerical Solution of the Biharmonic Equation for Plane Stress and Plane Strain Problems When the Effects of Body Forces and the Temperature are Negligible	1971
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