

ÖZGEÇMİŞ

1. **Adı Soyadı :** Enes Battal
2. **Doğum Tarihi :** 25 Şubat 1990
3. **Unvanı :** Yüksek Mühendis
4. **Öğrenim Durumu :**

Derece	Alan	Üniversite	Yıl
Lisans	Elektrik - Elektronik Mühendisliği	İhsans Doğramacı Bilkent Üniversitesi	2012
Yüksek Lisans	Elektrik - Elektronik Mühendisliği	İhsans Doğramacı Bilkent Üniversitesi	2015

5. Akademik Ünvanlar

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

7. Yayınlar

7.1 Uluslararası hakemli dergilerde yayımlanan makaleler

1. E. Battal ve diğerleri, "Triangular metallic gratings for large absorption enhancement in thin film Si solar cells", Optics Express, Vol. 20, Issue 9, pp. 9458-9464 (2012).
2. E. Battal ve diğerleri, "Ultrahigh Contrast One-way Optical Transmission through a Subwavelength Slit", Plasmonics, Vol. 8, Issue 2, pp. 509-513 (2013).
3. E. Battal ve diğerleri, "Metal-dielectric-metal plasmonic resonators for active beam steering in the infrared", Optics Letters, 38, Issue 6, pp. 983-985 (2013).
4. H.Y. Yu, E. Battal ve diğerleri, "Experimental and Theoretical Investigation of Phosphorus In-Situ Doping of Germanium Epitaxial Layers", Current Applied Physics, Vol. 13, Issue 6, pp. 1060-1063 (2013).
5. F.B. Atar, E. Battal ve diğerleri, "Plasmonically Enhanced Hot Electron Based Photovoltaic Device", Optics Express, Vol. 21, Issue 6, pp. 7196-7201 (2013).
6. K. Islam, A. Alnuaimi, E. Battal ve diğerleri, "Effect of gold nanoparticles size on light scattering for thin film amorphous-silicon solar cells", Solar Energy, Vol. 103, pp. 263-268 (2014).
7. Y.E. Kesim, E. Battal ve diğerleri, "Plasmonic materials based on ZnO films and their potential for developing broadband middle-infrared absorbers", AIP Advances, Vol. 4, Issue 7, pp. 077106 (2014).

8. E. Battal ve dięerleri, "Atomic Layer Deposited Zinc-Oxide as Tunable Uncooled Infrared Microbolometer Material", *Physica Status Solidi a*, Vol. 211, Issue 11, pp. 2475-2482 (2014). (İç Kapak Oldu)
9. Y.E. Kesim, E. Battal ve dięerleri, "An all ZnO microbolometer for infrared imaging", *Infrared Physics and Technology*, Vol. 67, pp. 245-249 (2014).
10. E. Battal ve dięerleri, "Resistive Switching based Electro-Optical Modulation", *Advanced Optical Materials*, Vol. 2, Issue 12, pp. 1149-1154 (2014). (İç Kapak Oldu)
11. M.C. Onbasli, T. Goto, A. Tang, A. Pan, E. Battal ve dięerleri, "Oxygen partial pressure dependence of magnetic, optical and magneto-optical properties of epitaxial cobalt substituted SrTiO₃ films", *Optics Express*, Vol. 23, Issue 10, pp. 13399-13409 (2015)

7.2 Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler.

1. S.Z. Lulec, S.E. Kucuk, E. Battal ve dięerleri, "An analysis for the broad-band absorption enhancement using plasmonic structures on uncooled infrared detector pixels", *Proceedings of SPIE 8353, Infrared Technology and Applications XXXVIII*, 83531D (May 1, 2012).
2. O. Erturk, E. Battal ve dięerleri, "A Plasmonically Enhanced Pixel Structure for Uncooled Microbolometer Detectors", *Proceedings of SPIE 8704 , Infrared Technology and Applications XXXIX*, 87041E (June 11, 2013).
3. B. Kebapci, O. Dervisoglu, E. Battal ve dięerleri, "Broadband absorption enhancement in an uncooled microbolometer infrared detector ", *Proceedings of SPIE 9070, Infrared Technology and Applications XL*, 907021 (June 24, 2014).
4. E. Battal ve dięerleri, "Triangular Metallic Gratings for High Efficiency Thin Film Solar Cells", *IEEE Photonics 2011 Conference, Arlington, Virginia (October 2011)*. [SÖZLÜ]
5. E. Battal ve dięerleri, "Absorption Enhancement for Inorganic Photovoltaics via Triangle- Shaped Metallic Gratings", *2011 MRS Fall Meeting and Exhibit, Boston, Massachusetts (November 2011)*. [POSTER]
6. L.E. Aygun, F.B. Atar, T.A. Yogurt, E. Battal ve dięerleri, "Silicon Photovoltaics get a kick out of Infrared Absorption", *2012 MRS Spring Meeting and Exhibit, San Francisco, California (April 2012)*. [POSTER]
7. E. Battal ve dięerleri, "Ultra-high contrast unidirectional transmission via asymmetric double layer gratings with a dielectric spacer", *Surface Plasmon Photonics 6 Conference, Ottawa, Canada (May, 2013)*. [SÖZLÜ]

7. E. Battal ve diğlerleri, "Mid-Infrared Beam Steering based on Metal-Dielectric-Metal resonators", Surface Plasmon Photonics 6 Conference, Ottawa, Canada (May, 2013). [POSTER]
8. F.B. Atar, E. Battal ve diğlerleri, "Semiconductor-less Photovoltaic Device", IEEE Photonics 2013 Conference, Bellevue, Washington (September 2013). [SÖZLÜ]
9. A. Ozcan, E. Battal ve diğlerleri, "Plasmonically enhanced ZnO thin-film-photo-transistor with dynamic responsivity control", IEEE Photonics 2013 Conference, Bellevue, Washington (September 2013). [SÖZLÜ]
10. E. Battal ve diğlerleri, "Electrically controlled resistive switching assisted active ultra- broadband optical tunability in the infrared", IEEE Photonics 2013 Conference, Bellevue, Washington (September 2013).

7.3 Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.4 Ulusal hakemli dergilerde yayımlanan makaleler

7.5 Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

7.6 Diğler yayınlar

8. Projeler

9. İdari Görevler

10. Bilimsel Kuruluşlara Üyelikler

11. Ödüller

1. IEEE Electron Device Society (EDS) Yüksek Lisans Bursu (Haziran 2013)
2. SPIE Optics and Photonics Eğitim Bursu (Haziran 2013)