



**Prof.Dr. Uğur DURSUN**  
**Işık Üniversitesi**  
**Department of Mathematics**  
**udursun@isikun.edu.tr**

1. **Birth Date** : 1964

2. **Education:**

DATES	DEGREE	UNIVERSITY	DEPARTMENT
1982-1986	BS	Istanbul technical University	Mathematical Engineering
1988-1990	MSc	Istanbul Technical University	Mathematical Engineering
1993-1997	PhD	Leeds University / UK	Pure and Applied Mathematics

3. **Academic Titles**

YEAR	TITLE	UNIVERSITY	DEPARTMENT
1997	Asst. Prof.Dr.	Istanbul Technical University	Mathematical Engineering
1998	Assoc. Prof.Dr.	Istanbul Technical University	Mathematical Engineering
2009	Prof.Dr.	Istanbul Technical University	Mathematical Engineering
2014	Prof.Dr.	Işık University	Mathematics

4. **Supervised MS and PhD Theses**

**PhD.**

1. Cenk Turgay, Submanifolds of Euclidean and Pseudo-Euclidean spaces with pointwise 1-type Gauss map, April 2013.
2. Rüya Yeğın, Submanifolds of hyperbolic and pseudo-hyperbolic spaces with finite

type generalized Gauss map, February 2016.

3. Burcu Bektaş Finite Type Submanifolds and Gauss Maps, August 2017

### **MSc.**

1. Bilger Kurtul, Null 2-type surfaces in Euclidean spaces, December 2005.
2. Selin Taşkent, Spherical Finite Type Hypersurfaces, January 2007.
3. Emel Coşkun, Surfaces in Minkowski 3-space with pointwise 1-type Gauss, August 2009.
4. Burcu Bektaş, Spherical submanifolds with finite type spherical Gauss map June 2012.

## **5. Publications**

### **5.1. Journal Publications (SCI-Expanded)**

1. U. Dursun, Rotational Weingarten surfaces in hyperbolic 3-space, *J. Geom.* (2020) 111:7, <https://doi.org/10.1007/s00022-019-0519-6>
2. U. Dursun, N.C. Turgay, Space-like surfaces in the Minkowski space  $E^4$  with point wise 1-type Gauss map, *Ukrainian Mathematical Journal*, Vol. 71, No. 1, June, 2019 DOI 10.1007/s11253-019-01625-8.
3. G. G. Arsan, Uğur Dursun, Minimal rotational surfaces in the product space  $\mathbb{Q}_\epsilon^2 \times \mathbb{S}^1$ , *International Journal of Mathematics*, Vol. 29, No. 8 (2018) 1850051 (10 pages)
4. Burcu Bektaş, Elif Ozkara Canfes and Uğur Dursun, Classification of surfaces in a pseudo-sphere with 2-type Pseudo- spherical Gauss map, *Mathematische Nachrichten*, 290(2017), 2512–2523.
5. Bektaş, Burcu; Canfes, Elif Ozkara; Dursun, Ugur, Pseudo-Spherical Submanifolds with 1-Type Pseudo-Spherical Gauss Map, *Result Math*, 71(2017), 867-887.
6. Rüya Yeğin Şen, Uğur Dursun, On Submanifolds with 2-Type Pseudo-Hyperbolic Gauss Map in Pseudo-Hyperbolic Space, *Mediterr. J. Math.* 14(2017), 14-28, DOI 10.1007/s00009-016-0819-0
7. U. Dursun and N.C. Turgay, Classification of minimal Lorentzian surfaces in  $S^4_2(1)$  with constant Gaussian and normal curvatures, *Taiwanese J. Math.*, 20-6- (2016), 1295-1311, December 2016 DOI: 10.11650/tjm.20.2016.7345
8. R. Yegin, and U. Dursun, On Submanifolds of Pseudo-Hyperbolic Space with 1-Type Pseudo-Hyperbolic Gauss Map, *J. Math. Phys., Anal., Geom.* 12(2016), 315-337.
9. U. Dursun and B. Bektaş, On Spherical Submanifolds with Finite Type Spherical Gauss Map, *Adv. Geom.* 16(2016), 243–251, DOI: 10.1515/advgeom-2016-0005, April 2016
10. U. Dursun and R. Yegin, Hyperbolic submanifolds with finite type hyperbolic Gauss map, *International Journal of Mathematics*, 26 (2015), 1550014 (18 pages), DOI: 10.1142/S0129167X15500147, <http://dx.doi.org/10.1142/S0129167X15500147>
11. U. Dursun, On Spacelike Rotational Surfaces with Pointwise 1-Type Gauss Map, *Bull. Korean Math. Soc.* 52 (2015), No. 1, pp. 301–312.

12. U. Dursun and B. Bektas, Spacelike Rotational Surfaces of Elliptic, Hyperbolic and Parabolic Types in Minkowski Space  $E^4_1$  with Pointwise 1-Type Gauss Map, *Mathematical Physics, Analysis and Geometry*. 17(2014), 247-263.
13. U. Dursun and N. C. Turgay, Minimal and Pseudo-Umbilical Rotational Surfaces in Euclidean Space  $E^4$ , *Mediterr. J. Math.* 10(2013), 497-506.
14. U. Dursun and N. C. Turgay, General rotational surfaces in Euclidean space  $E^4$  with pointwise 1-type Gauss map, *Math. Commun.* 17(2012), 71-81.
15. U. Dursun and N. C. Turgay, On space-like surfaces in Minkowski 4-space with pointwise 1-type Gauss map of the second kind, *Balkan J. Geom. Appl.*, 17(2012), 34-45.
16. U. Dursun and E. Coskun, Flat surfaces in the Minkowski space  $E^3_1$  with pointwise 1-type Gauss map, *Turk. J. Math.*, 36(2012), 613-629.
17. U. Dursun and G.G. Arsan, Surfaces in the Euclidean space  $E^4$  with pointwise 1-type Gauss map, *Hacettepe J. Math. Stat.*, 40(2011), 617-625.
18. U. Dursun, Flat Surfaces in the Euclidean Space  $E^3$  with Pointwise 1-Type Gauss Map, *Bull. Malays. Math. Sci. Soc. (2)*, 33(3) (2010), 469-478.
19. U. Dursun, Rotation Hypersurfaces in Lorentz-Minkowski Space with Constant Mean Curvature, *Taiwanese J. Math.*, 14 (2010), 685-705.
20. U. Dursun, Hypersurfaces with pointwise 1-type Gauss map in Lorentz-Minkowski space, *Proceedings of the Estonian Academy of Sciences*, 58(2009), 146-161.
21. U. Dursun, Maximal Hypersurfaces of  $(m + 2)$ -Dimensional Lorentzian Space Forms, *Kyungpook Math. J.*, 48(2008), 109-121.
22. U. Dursun, Hypersurfaces with pointwise 1-type Gauss map, *Taiwanese J. Math.*, 11 (2007), no. 5, 1407-1416.
23. U. Dursun, Null 2-type space-like submanifolds of  $E^5_t$  with normalized parallel mean curvature vector, *Balkan J. Geom. Appl.*, 11 (2006), no. 2, 61-72.
24. U. Dursun, On Chen Immersions into Lorentzian Space Forms with Nonflat Normal Space, *Publ. Math. Debrecen*, 57/3-4(2000), 375-387.
25. U. Dursun, On product  $k$ -Chen submanifolds, *Glasgow Math. J.*, 39(1997)243-249.

## 5.2. Journal Publications (Non SCI-Expanded)

1. B. Bektas, E.Ö. Canfes, U. Dursun, On Rotational Surfaces in Pseudo-Euclidean Space in  $E^4_t$  with Pointwise 1-Type Gauss Map, *Acta Universitatis Apulensis*, 45(2016), 43-59.
2. U. Dursun, On Null 2-Type Submanifolds of Euclidean Spaces, *Int. Elect. J. Geometry*, 2(2009), 20-26.
3. G. G. Arsan, E. O. Canfes, U. Dursun, On null 2-type submanifolds of the pseudo Euclidean space  $E^5_t$ , *Int. Math. Forum*, 3(2008) no. 13, 609-622.
4. U. Dursun, Time-like Hypersurfaces of 4-Dimensional Lorentzian Space Forms with Zero Mean Curvature, *Int. Math. Forum*, 2(2007) no. 54, 2687-2699.

5. U. Dursun, Null 2-type submanifolds of the Euclidean space  $E^5$  with non-parallel mean curvature vector, *J. Geom.*, 86(2006), 73-80.
6. U. Dursun, Null 2-Type Submanifolds of the Euclidean Space  $E^5$  with Parallel Normalized Mean Curvature Vector, *Kodai Math. J.*, 28(2005) 191-198.
7. U. Dursun, On Minimal and Chen Immersions in Space Forms, *J. Geom.*, 66(1999) 104-115.
8. U. Dursun, On product k-Chen submanifolds of pseudo-Riemannian manifolds, *Algebras Groups and Geometries*, 16(1999), 411-421.
9. U. Dursun, On k-Chen submanifolds of pseudo-Riemannian manifolds, *Algebras Groups and Geometries*, 15(1998), 13-24.
10. S. Carter and U. Dursun, Partial tubes and Chen submanifolds, *J. Geom.*, 63(1998), 30-38.
11. S. Carter and U. Dursun, On generalised Chen and k-minimal immersions, *Beitrage zur Algebra und Geometrie/ Contributions to Algebra and Geometry*, 38(1997) 125-134.

### 5.3. International Conference Papers

1. U. Dursun, Rotational Weingarten Surfaces in 3-Dimensional Space Forms, 17th International Geometry Symposium June 19-22, 2019 Erzincan Binali Yildirim University, Erzincan-Turkey
2. U. Dursun, Submanifolds of Pseudo-Riemannian Space Form with Finite Type Generalized Gauss Map, Workshop on Geometry of Riemannian and Hermitian Manifolds, Bulgarian Academy of Science, 7-10, December, 2015, Sofia.
3. U. Dursun, Hypersurfaces of Hyperbolic Space with 1-Type Gauss Map, *The International Conference of Differential Geometry and Dynamical Systems, (DGDS-2010), BSG Proc.*, 18(2010), 47-55.
4. U. Dursun, On minimal hypersurfaces of hyperbolic space  $H^4$  with zero Gauss-Kronecker curvature, *10th International Conference on Differential Geometry and Its Applications, 2007, Czech Republic, World Scientific Publishing Company*, 2008 pp.77-87.
5. S. Carter and U. Dursun, Isoparametric and Chen submanifolds, *Geometry and topology of submanifolds VIII, edited by F. Dillen et al.*, pages 41-45, World Sci., Singapore, 1996.
6. U. Dursun, Some results on spherical k-Chen submanifolds, *Geometry and topology of submanifolds VIII, edited F. Dillen et al.*, pages 179-186, World Sci., Singapore, 1996.
7. U. Dursun, On spacelike rotational surfaces in Minkowski space  $E^4_1$  with pointwise 1-type Gauss map, *Current Topics and Trends on Differential Geometry and Applications*, 2013, South Korea. (Özet)

### 5.4. National Conference Papers

1. U. Dursun, R. Yeğın, Submanifolds of Pseudo-Hyperbolic Space with Finite Type Pseudo-Hyperbolic Gauss Map, 13. *Geometri Sempozyumu*, 27-30 Temmuz 2015, Yıldız Teknik Üniversitesi
2. U. Dursun and N.C. Turgay, On the Gauss Map of Space-like Surfaces of 4-Dimensional Minkowski Space, *IX. Geometri Sempozyumu*, Samsun, Haziran 2011. (Abstract)
3. U. Dursun, Rotation Hypersurfaces in Lorentz-Minkowski Space with Constant Mean Curvature, *VIII. Geometri Sempozyumu*, Akdeniz Üniv. 2010. (Abstract)
4. U. Dursun, On Pointwise 1-Type Gauss Map of the Euclidean Space  $E^3$ , *VI. Geometri Sempozyumu*, Uludağ Üniv. 2008. (Abstract)
5. U. Dursun,  $E^5$  Öklid uzayının sıfırlı 2-tipinden altmanifoldları, *II. Geometri Sempozyumu*, Sakarya Üniversitesi, Fen-Edebiyat Fakültesi, Sakarya, 2004. (Abstract)
6. U. Dursun, On Minimal Hypersurfaces of Lorentzian Space Forms, *Türk Matematik Derneği XI. Ulusal Matematik Sempozyumu*, Süleyman Demirel Üniversitesi, Isparta, pp. 105-114, 1998.

## 6. Administrative Positions and Employment History

### 1. Administrative Positions

DATE	INSTITUTION	POSITION
2001-2003	Istanbul Technical University (ITU)	Vice-Chairmen of Department of Mathematics
2003-2004	ITU Faculty of Arts and Sciences	Vice-Dean
2005-2008	ITU Faculty of Arts and Sciences	Members of the Board of Administration
2011-2013	ITU Graduate School of Science Engineering and Technology	Members of the Board of Administration
2011-2013	ITU	Chairmen of Department of Mathematics
Mar. 2014-May 2016	Işık University	Chairmen of Department of Mathematics
Oct. 2014-Oct. 2015	Işık University, Faculty of Arts and Sciences	Acting Dean
Oct. 2015-July 2016	Işık University, Faculty of Arts and Sciences	Dean
Aug. 2016-May 15, 2018	Işık University, Faculty of Arts and Sciences	Acting Dean

### 2. Employment History

DATE	INSTITUTION	POSITION
1987-1997	ITU, Department of Mathematics	Research and teaching assistant
1997-1998	ITU, Department of Mathematics	Assit. Prof.

1998-2009	ITU, Department of Mathematics	Assoc. Prof.
2009-2014	ITU, Department of Mathematics	Professor
1999-2013	Işık Üniversitesi (Part-time)	Assoc. Prof.-Professor
2014-	Işık Üniversitesi	Professor

**Research Interests:** Chen Submanifolds, Partial Tubes, Finite type immersions, minimal submanifolds, rotational submanifolds, Gauss map, Lorentzian submanifolds.

## 7. Scientific and Professional Membership

Turkish Mathematical Society.

## 8. Reviewer Activities

1. Taiwanese Journal of Mathematics (2006)(2009)(2013)
2. Turkish Journal of Mathematics (2007)
3. Proceedings of the Estonian Academy of Sciences (2008)
4. Hacettepe Journal of Mathematics and Statistics (2009)
5. Korean Journal of Mathematics (2012)
6. Tsukuba Journal of Mathematics (2012)
7. TWMS Journal of Applied and Engineering Mathematics (2012)(2013)

## 8. Courses Taught (Last Two Years)

Calculus I, II, Mathematics IV

Differential Geometry, Theory of Complex Functions