Curriculum Vitae

K   SEL ʙ LG LER

Ceren GÜRKAN

📍 Cumhuriyet Mah. Hekim sok. no4 Ö er Rezidans daire 103   i li Istanbul

📠 +90 5524923181

✉ ceren.gurkan01@khas.edu.tr

Cinsiyet Kadªŋ| Do um tarihi 06/02/1988 | Uyruk Türkiye Cumhuriyeti

EĞİTİM VE DENEYİMLER

01/09/2019 -	**Dr. Misafir Öğretim Üyesi, Kadir Has Üniversitesi, İnşaat Mühendisliği Bölümü**

01/03/2017 - 29/03/2019 Post-doc, Umeå University

A stabilized cut discontinuous Galerkin framework (cutDG) for multiphysics/multidimensional problems

01/11/2013–01/03/2017 Ph.D., Erasmus Mundus Computational Mechnaics SEED Program   Ph.D.

savunma tarihi 22/11/2018 Universitat Politecnica de Catalunya//Technische Universität München, Barcelona//Munich (Spain//Germany)

Araştırma konusu: Extended Hybridizable Discontinuous Galerkin Method

26/09/2011–11/07/2013   MSc

Master of Science, Erasmus Mundus Computational Mechanics
Universitat Politecnica de Catalunya//Swansea University, Barcelona//Swansea (Spain//United Kingdom)
Yükseklisans tezi: Numerical methods for geometry optimization.

01/09/2006–20/06/2011 Bachelors of Science, İnşaat Mühendisliği   Bsc

Orta Doğu Teknik Üniversitesi (ODTÜ), Ankara (Türkiye)
Specialized in Structural Engineering
Final projesi: Structural analysis of Doha International Airport.

KİŞİSEL ʙECERİLER

Anadil(ler)

Türkçe

Diğer dil(ler)

	ANLAMA		KONUSMA		YAZMA
	DINLEME	OKUMA	Karşılıklı	Kendi kendine	
İngilizce	C1	C1	C1	C1	C1
İspanyolca	B2	B2	B2	B2	B2

Levels: A1 and A2: Temel - B1 and B2: Bağımsız- C1 and C2: Usta
Common European Framework of Reference for Languages

Sürücü Belgesi B

EK BİLGİLER, ÖDÜLLER

Erasmus Mundus Category A karşılıksız bursu, doktora eğitimi süresince (PhD, Erasmus Mundus SEED)

Erasmus Mundus Category A karşılıksızbursu, yükseklisans eğitimi süresince (MSc Computational Mechanics)

Türk Eğitim Vakfı karşılıksız bursu, üniversite eğitimi süresince (BSc Civil Engineering)

Orta Doğu Teknik Üniversitesinden Şeref Öğrencisi olarak mezuniyet.

Üniversite eğitimi boyunca altı dönem şeref öğrenciliği.

UZMANLIKLAR

Continuous/Discontinuous Galerkin Discretization Methods

Multidimensional/multiphysics problems

Computational Fluid Dynamics

Matlab, C, C++, Python

Paraview, AutoCAD, GID, Fluid

YAYINLAR

(Tümü uluslararası Q1 kategorisindeki dergilerde)

- C.Gürkan, E. Sala-Lardies, M.Kronbichler, and S.Fernández-Méndez. eXtended hybridizable discontinuous Galerkin (X-HDG) for void problems. J. Sci. Comput., 66(3):1313-1333, 2016. [3 times cited, journal impact factor 2.37, in Applied Mathematics catagory 26th out of 254 journas, Q1 quartile in its catagory]

- C.Gürkan, M.Kronbichler, and S.Fernández-Méndez. eXtended hybridizable discontinuous Galerkin with heaviside enrichment for heat bimaterial problems. J. Sci. Comput., 72(2): 542-567, 2017. [2 times cited, journal impact factor 2.37, in Applied Mathematics catagory 26th out of 254 journas, Q1 quartile in its catagory]

- C.Gürkan, E.Sala-Lardies, M. Kronbichler, and S. Fernández-Méndez. eXtended Hybridizable Discontinuous Galerkin (X-HDG) for Void and Bimaterial Problems Advances in Discretization Methods, Vol. , pp. 103-122, 2016 (*book chapter*)

- C.Gürkan, M.Kronbichler and S.Fernández-Méndez. eXtended Hybridizable Discontinuous Galerkin for incompressible flow problems with unfitted meshes and interfaces, Int. J. Numer. Meth. Engng., 117(3), https://doi.org/10.1002/nme.5975, 2018 [journal impact factor 2.746, in Mathematics, Interdisciplinary Applications catagory 19th out of 105 journas, Q1 quartile in its catagory]

- C. Gürkan, A. Massing, A stabilized cut discontinuous Galerkin framework for elliptic boundary value and interface problems, Comput. Methods Appl. Mech. Engrg., 348: 466-499, 2019. [journal impact factor 4.821, in Mathematics, Interdisciplinary Applications catagory 2nd out of 105 journas, Q1 quartile in its catagory]

- C. Gürkan, S. Sticko, A Massing, Stabilized cut discontinuous Galerkin methods for advection reaction problems, SIAM Journal of Scientific Computing, https://doi.org/10.1137/18M1206461

- I. Karakan, C. Gürkan, C. Avcı, A comparison between meshless Radial Basis Function Collocation Method and Finite Element Method for solving Poisson and Stokes problems, *submitted*

- C. Gürkan, F. Heimann, C. Lehrenfeld, A.Massing, A stabilized cut discontinuous Galerkin framework: III. Surface and miXed dimensional coupled problems, *in preparation*

KONFERANSLAR

- **11th World Congress on Computational Mechanics — 20-25th July 2014 Barcelona/Spain** Gürkan C, Fernandez-Mendez S, Sala-Lardies E, Kronbichler M. Extended hybridizable Discontinuous Galerkin (X-HDG) for void problems

- **The 18th International Conference on Finite Elements in Flow Problems — 16-18 March 2015 Taipei/Taiwan** — Gürkan C, Fernandez-Mendez S, Sala-Lardies E, Kronbichler M.—**Extended hybridizable Discontinuous Galerkin (X-HDG) for void problems**

- **3rd ECCOMAS Young Investigators Conference — July 20-23, 2015, Aachen, Germany** —Gürkan C, Fernandez-Mendez S, Sala-Lardies E, Kronbichler —**Extended hybridizable Discontinuous Galerkin (X-HDG) for bi-material problems**

- **eXtended Discretization Methods 2015 — 9-11 September 2015 Ferrara/Italy** —Gürkan C, Fernandez-Mendez S, Sala-Lardies E, Kronbichler M. — **Extended hybridizable Discontinuous Galerkin (X-HDG) for void and bimaterial problems**

- **ECCOMAS 2016— 5-10 June 2016 Creta/Greece**— Gürkan C, Fernandez-Mendez, Kronbichler M. — **Extended hybridizable Discontinuous Galerkin (X-HDG)for heat bimaterial problems**

- **12th World Congress on Computational Mechanics — 24-29 July 2016 Seoul/South Korea** — Gürkan C, Fernandez-Mendez S, Kronbichler M. — **Extended hybridizable Discontinuous Galerkin (X-HDG) for bimaterial problems.**

- **The 19th International Conference on Finite Elements in Flow Problems — 5-7 April 2017 Roma/Italy** — Gürkan C, Fernandez-Mendez S, Kronbichler M. — **Extended hybridizable Discontinuous Galerkin (X-HDG) for bimaterial and moving interface problems.**

- **eXtended Discretization Methods 2017 — 19-21 June 2017 Umeå/Sweden** — Gürkan C, Fernandez-Mendez S, Kronbichler M. — **Extended hybridizable Discontinuous Galerkin (X-HDG) for bimaterial and moving interface problems.**

- **13th World Congress on Computational Mechanics - 22-27 July 2018 NewYork/USA** - Gürkan C, Massing A. - **A Stabilized Cut Discontinuous Galerkin Framework (cutDG): I. Boundary Value and Interface Problems**

Referanslar   Assoc. Prof. Sonia Femandez-Mendez
sonia.femandez@upc.edu
Tel: (+34) 93 401 1625
Adres: Universitat Politecnica de Catalunya, Jordi Girona 1, C2 building, room 207, E-08034 Barcelona, Spain.

Dr. Martin Kronbichler
kronbichler@lnm.mw.tum.de
Tel: +49 (0) 89 289 15235
Adres: Technische Universität München BoltzmannstraBe 15
D-85748 Garching b. München

Assoc. Prof. Andre Massing
andre.massing@umu.se
Adres: MIT-huset, plan 2, Matematik och matematisk statistik, UMIT Umeå universitet, 901 87 Umeå

Assoc. Prof. Gökhan Kirkil
gokhan.kirkil@khas.edu.tr
Adres: Cibali Mah. Kadir Has Cad. Kadir Has Universitesi Insaat Mühendisligi Bölümü 34083
Fatih / İSTANBUL