

ÖZGEÇMİŞ

1. Adı Soyadı : Selim KALAYCI

2. Doğum Tarihi :

3. Unvanı :

4. Öğrenim Durumu :

Derece	Alan	Üniversite	Yıl
Lisans	Bilgisayar Mühendisliği	Fatih Üniversitesi	2002
Yüksek Lisans	Bilgisayar Bilimleri	Florida International University	2006
Doktora	Bilgisayar Bilimleri	Florida International University	2014

5. Akademik Unvanlar

Öğretim Görevlisi (Instructor)	Bilgisayar Bilimleri	East Tennessee State University	2010-2014
Doktora Sonrası Araştırmacı (Postdoctoral Fellow)	Genetik ve Genomik Bilimleri (Genetics and Genomic Sciences)	Icahn School of Medicine at Mount Sinai	2015-2020

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

6.2. Doktora Tezleri

7. Yayınlar

7.1. Uluslar arası hakemli dergilerde yayınlanan makaleler

Petralia F, .., **Kalayci S**, .., Wang P. Integrated Proteogenomic Characterization across Major Histological Types of Pediatric Brain Cancer. *Cell*, 2020 Dec 23;183(7):1962-85.

Michlmayr D, Kim EY, Rahman AH, Raghunathan R, Kim-Schulze S, Che Y, **Kalayci S**, Gümüş ZH, Kuan G, Balmaseda A, Kasarskis A. Comprehensive Immunoprofiling of Pediatric Zika Reveals Key Role for Monocytes in the Acute Phase and No Effect of Prior Dengue Virus Infection. *Cell reports*. 2020 Apr 28;31(4):107569.

Kalayci S, Petralia F, Wang P, Gümüş ZH. ProNetView-ccRCC: A Web-Based Portal to Interactively Explore Clear Cell Renal Cell Carcinoma Proteogenomics Networks. *Proteomics*. 2020 Mar 12:2000043.

Clark DJ, .., **Kalayci S**, .., Zhang H. Integrated proteogenomic characterization of clear cell renal cell carcinoma. *Cell*. 2019 Oct 31;179(4):964-83.

Kalayci S, Selvan ME, Ramos I, Cotsapas C, Harris E, Kim EY, Montgomery RR, Poland G, Pulendran B, Tsang JS, Klein RJ, Gümüş ZH. ImmuneRegulation: a web-based tool for identifying human immune regulatory elements. *Nucleic acids research*. 2019 Jul 2;47(W1):W142-50.

Wang, .. , **Kalayci S**, .. , Gerstein M. Comprehensive functional genomic resource and integrative model for the human brain. *Science*; 2018, ;362(6420).

Kalayci S, Gümüş ZH. Exploring Biological Networks in 3D, Stereoscopic 3D, and Immersive 3D with iCAVE. *Current Protocols in Bioinformatics*. 2018 Mar;61(1):8-27.

Liluashvili V, **Kalayci S**, Flouder E, Wilson M, Gabow A, Gümüş ZH. iCAVE: an open source tool for visualizing biomolecular networks in 3D, stereoscopic 3D and immersive 3D. *Gigascience*. 2017 Aug 1;6(8):1-13.

Onyeka Ezenwoye, M. Brian Blake, Gargi Dasgupta, S. Masoud Sadjadi, **Selim Kalayci**, Liana L. Fong, "Managing Faults for Distributed Workflows over Grids," *IEEE Internet Computing*, vol. 14, no. 2, pp. 84-88, Mar./Apr. 2010.

7.2. Uluslar arası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceeding) basılan bildiriler.

Selim Kalayci and S. Masoud Sadjadi. "Optimization Patterns for the Decentralized Orchestration of Parameter-Sweep Workflows". *Proceedings of the IEEE International Conference on Cloud and Autonomic Computing (CAC 2014)*, Imperial College, London, September 2014.

Selim Kalayci and S. Masoud Sadjadi. "Pattern-based Decentralization and Run-time Adaptation Framework for Multi-site Workflow Orchestrations". *Proceedings of the 25th International Conference on Software Engineering and Knowledge Engineering (SEKE 2013)*, Boston, MA, June 2013.

Selim Kalayci, Gargi Dasgupta, Liana Fong, Onyeka Ezenwoye and S. Masoud Sadjadi. "Distributed and Adaptive Execution of Condor DAGMan Workflows". *Proceedings of the 22nd International Conference on Software Engineering and Knowledge Engineering (SEKE 2010)*, Boston, MA, July 2010.

Onyeka Ezenwoye, Balaji Viswanathan, S. Masoud Sadjadi, Liana Fong, Gargi Dasgupta, and **Selim Kalayci**. "Task decomposition for adaptive data staging in workflows for distributed environments", *Proceedings of the 21st International Conference on Software Engineering and Knowledge Engineering (SEKE 2009)*, pp. 16-19, Boston, MA, July 2009.

Selim Kalayci, Onyeka Ezenwoye, Balaji Viswanathan, Gargi Dasgupta, S. Masoud Sadjadi, and Liana Fong. "Design and implementation of a fault tolerant job flow manager using job flow patterns and recovery policies", *Proceedings of the 6th International Conference on Service Oriented Computing (ICSOC'08)*, Sydney, Australia, December 2008.

Gargi Dasgupta, Onyeka Ezenwoye, Liana Fong, **Selim Kalayci**, S. Masoud Sadjadi, and Balaji Viswanathan. "Design of a fault-tolerant job-flow manager for grid environments using standard technologies, job-flow patterns, and a transparent proxy", *Proceedings of the 20th International Conference on Software Engineering and Knowledge Engineering (SEKE'2008)*, pages 814-819, San Francisco Bay, USA, July 2008.

Gargi Dasgupta, Onyeka Ezenwoye, Liana Fong, **Selim Kalayci**, S. Masoud Sadjadi, and Balaji Viswanathan. "Runtime fault-handling for job-flow management in grid environments", *Proceedings of the 5th IEEE International Conference on Autonomic Computing (ICAC-2008)*, pp. 201-202, Chicago, IL, June 2008.

Yanbin Liu, S. Masoud Sadjadi, Liana Fong, Ivan Rodero, David Villegas, **Selim Kalayci**, Norman Bobroff, and Juan Carlos Martinez. "Enabling autonomic meta-scheduling in grid environments",

Proceedings of the 5th IEEE International Conference on Autonomic Computing (ICAC-2008), pp. 199-200, Chicago, IL, June 2008.

Norman Bobroff, Liana Fong, **Selim Kalayci**, Yanbin Liu, Juan Carlos Martinez, Ivan Rodero, S. Masoud Sadjadi, and David Villegas. "Enabling interoperability among meta-schedulers", *Proceedings of 8th IEEE International Symposium on Cluster Computing and the Grid (CCGrid-2008)*, pp. 306-315, Lyon, France, 2008.

S. Masoud Sadjadi, **Selim Kalayci**, and Yi Deng. "A self-configuring communication virtual machine", *Proceedings of the 2008 IEEE International Conference on Networking, Sensing and Control (ICNSC-08)*, Sanya, China, April 2008.

7.3. Yazılan Uluslar arası kitaplar veya kitaplarda bölümler.

7.4. Ulusal hakemli dergilerde yayınlanan makaleler

7.5. Ulusal bilimsel toplantılarda sunulan bildiri kitabında basılan bildiriler

7.6 Diğer Yayınlar

Selim Kalayci, Çağatay Demiralp, and Zeynep H. Gümüş. "Developing Design Guidelines for Precision Oncology Reports." *arXiv preprint arXiv:1810.02391* (2018).

Selim Kalayci, S. Masoud Sadjadi, and Gargi S. Dasgupta. "Pattern based fault-tolerance at workflow management systems", In *the poster presentation session of the 6th Latin American Grid (LA Grid) Summit*, Florida Atlantic University, Boca Raton, FL, U.S.A., October 2008.

S. Masoud Sadjadi, Steve Luis, Khalid Saleem, Donald Llopis, Javier Munoz, Diego Lopez, Javier Figueroa, David Villegas Castillo, **Selim Kalayci**, Pat Welsh, Shu-Ching Chen, Anthony Praino, and Hugh Willoughby. "The Latin American Grid (LA Grid) Weather Research and Forecast (WRF) Portal", In *the poster presentation session of the 5th Latin American Grid (LA Grid) Summit*, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007.

Liana Fong, S. Masoud Sadjadi, Yanbin Liu, Ivan Rodero, David Villegas, **Selim Kalayci**, Norman Bobroff, and Julita Corbalan. "The LA Grid meta-scheduling project", In *the poster presentation session of the 5th Latin American Grid (LA Grid) Summit*, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007.

Gargi B Dasgupta, Liana Fong, S. Masoud Sadjadi, Onyeka Ezenwoye, Balaji Viswanathan, **Selim Kalayci**, David Villegas Castillo, and Norman Bobroff. "Fault-tolerant job-flow management in grid environment", In *the poster presentation session of the 5th Latin American Grid (LA Grid) Summit*, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007.

8.Projeler

9.İdari Görevler

Director of High-Performance Computing Center
(Yüksek Basarimli Hesaplama Merkezi Yöneticisi)

East Tennessee State University 2010-2014

10.Bilimsel Kuruluşlara Üyelikleri

11.Ödüller

National Science Foundation (NSF) Grant	Educational Usage of XSEDE HPC Resources	2010-2013
National Science Foundation (NSF) Travel Award	TeraGrid Conference	2009
National Science Foundation (NSF) Travel Award	TeraGrid New User Workshop	2008
National Science Foundation (NSF) Grant	Partnerships for International Research and Education	2008

12.Son iki yılda verdiği lisans ve lisansüstü düzeyindeki dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	

* İşaretili dersler, yüksek lisans dersleridir.