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**Contents**

<b>1 Journal Articles</b>	<b>1</b>
<b>2 Editorial</b>	<b>2</b>
<b>3 Books &amp; Book Chapters</b>	<b>2</b>
<b>4 Conference Participation &amp; Presentation</b>	<b>2</b>
<b>5 Colloquia &amp; Seminars</b>	<b>2</b>
<b>6 Conferences &amp; Workshops</b>	<b>2</b>

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**1 Journal Articles**

- S. Mesnager, F. Özbudak and A. Sınak, *On the  $p$ -ary (cubic) Bent and Plateaued (Vectorial) Functions*, Designs, Codes and Cryptography, 2017, DOI: 10.1007/s10623-017-0427-4.
- B. Karasözen, T. Küçükseyhan and M. Uzunca, *Structure Preserving Integration and Model Order Reduction of Skew-Gradient Reaction-Diffusion Systems*, Annals of Operations Research 258, 79–106, 2017, DOI:10.1007/s10479-015-2063-6.
- A. Çevik, G.-W. Weber, B. M. Eyüboğlu and K. K. Oğuz, *Voxel-MARS: A Method for Early Detection of Alzheimer's Disease by Classification of Structural Brain MRI*, Annals of Operations Research 258, 31–57, 2017, DOI:10.1007/s10479-017-2405-7.
- B. Legros and A. D. Sezer, *Stationary Analysis of a Single Queue with Remaining Service Time-Dependent Arrivals*, Queueing Systems, 2017, DOI:10.1007/s11134-017-9552-z.

## 2 Editorial

- E. Kropat, R. A. Tikidji–Hamburyan and G.-W. Weber, *Operations Research in Neuroscience*, Annals of Operations Research 258, 1–4, 2017, DOI:10.1007/s10479-017-2633-x.

## 3 Books & Book Chapters

- B. Yıldırım, A. S. Selçuk-Kestel, N. G. Coşkun–Ergökmen, *Actuarial Present Value and Variance for Changing Mortality and Stochastic Interest Rate*, Springer Proceedings in Mathematics and Statistics: Modeling Dynamics, Optimization and Bioeconomics II, Ed. A.A. Pinto, D. Zilbermann, Vol. 195, 495-512, 2017, DOI: 101007/978-3-319-55236-1\_24.

## 4 Conference Participation & Presentation

- M. B. İltir, *Efficient Big Integer Multiplication in Cryptography*, 10th International Conference on Information Security & Cryptology, Ankara, Turkey, October 20–21, 2017.

## 5 Colloquia & Seminars

- *Tail Behavior of Randomly Weighted Infinite Sums*, Dimitrios G. Konstantinides, University of the Aegean, October 02, 2017.
- *2014/15 Oil Price Plunge and Changing Crude Oil Market Dynamics*, İstemi Berk, Department of Economics, Dokuz Eylül University, October 03, 2017.
- *A Short Course on Isogeny-Based Cryptography*, Alfred Menezes, University of Waterloo, October 10, 2017.
- *Random Pattern-Avoiding Permutations*, Gökhan Yıldırım, Department of Mathematics and Statistics, York University, Canada, October 17, 2017.
- *A Study of Turkish High School Admissions*, Sinan Ertemel, Department of Economics, Istanbul Technical University, October 24, 2017.

## 6 Conferences & Workshops

- Workshop dedicated to the 15th Anniversary of the Foundation of Institute of Applied Mathematics, MM25 Hall, October 09, 2017.
  - 09.30 - 10.00 Registration
  - 10.00 - 10.45 Opening speeches
  - 10.45 - 11:00 Tea & coffee break

- 11:00 - 12:00 Alfred Menezes (University of Waterloo), *Post-Quantum Cryptography*
- 12.00 - 13.30 Lunch
- 13:30 - 15:30 Fifteen years of Applied Mathematics Experience at METU: "Achievements and Prospects" (Panel Discussion in Turkish)
  - \* Foundation of the IAM
  - \* Programmes at IAM
  - \* Erasmus & SIAM Student Chapter Activities
- 15:30 - 16:30 Poster Session
- Advanced Modelling in Mathematical Finance Workshop in Honour of Azize Hayfavi, S212, IAM, October 23, 2017.
  - 09.30 - 10.00 Registration
  - 10.00 - 10.45 Opening talk by Prof. Dr. Bülent Karasözen
  - 10.45 - 11:00 Prof. Dr. Tahir Khaniyev, *Genelleştirilmiş Yansıtıcı Bariyerli Rastgele Yürüyüş Süreci için Asimtotik Sonuçlar*
  - 11:00 - 12:00 Coffee break
  - 11:10 - 12:00 İrem Talaşlı, *Stochastic Multifactor Modeling of Spot Electricity Prices*
  - 12:00 - 14:00 Lunch Break
  - 14:00 - 14:50 Ömür Uğur, *Monte Carlo Challenges in Derivative Pricing and Risk Measurement*
  - 14:50 - 15:10 Coffee break
  - 15:10 - 16:00 Hacer Öz Bakan, *Runge-Kutta Scheme for Stochastic Optimal Control*
  - 16:00 - 16:50 Ozan Evkaya, *Copula(s), Advantages and Limitations with Its Applications*
  - 16:50 - 17:00 Closing Coctail @IAM