

НАСТАВНО-НАУЧНОМ ВЕЋУ ЕЛЕКТРОТЕХНИЧКОГ ФАКУЛТЕТА УНИВЕРЗИТЕТА У БЕОГРАДУ

Изборно веће Електротехничког факултета Универзитета у Београду на својој 812-ој седници од 11.04.2017. године нас је именovalo за чланове Комисије за избор др Петра Ђурића у звање гостујућег професора. Проучили смо материјал који нам је био на располагању и част нам је да Изборном већу поднесемо следећи

ИЗВЕШТАЈ

Биографски подаци

Др. Петар М. Ђурић је дипломирао 1981. и магистрирао 1986. године на Електротехничком факултету Универзитета у Београду. Докторирао је 1990. године на Департману за Електротехнику на Универзитету Род Ајланд у Сједињеним Америчким Државама. Од 1981. до 1986. године је радио као научни сарадник у Институту Борис Кидрич у Винчи. У 1990. години је добио позицију доцента (*Assistant Professor*) на Стони Брук Универзитету (*Stony Brook University*) који је део система Њујоршких државних универзитета. У ванредног професора (*Associate Professor*) је промовисан 1996 године. Редовни професор на истом универзитету је постао 2001. године. У 2017. години је добио звање Истакнути Професор (*State University of New York Distinguished Professor*) које се додељује професорима који су постигли националну и интернационалну репутацију у области свог истраживања и који су дали значајне доприносе у њој. Од 2016, Др. Ђурић је шеф департмана за електротехнику и рачунарску технику (*Electrical and Computer Engineering*) на Стони Бруку. Његова област интересовања укључује обраду сигнала и информација са нагласком на теорију моделирања, естимације и детекције; методе заснованим на Монте Карло симулацијама; дистрибуирана обрада сигнала и информација у мрежама; машинско учење; радиофреквенцијска идентификација; и интернет ствари. Често је био позиван да држи предавања по универзитетима у целом свету. 2008. године је био *Chair of Excellence* на универзитету Карлос III у Мадриду, Шпанија (Carlos III), а у периоду 2008-2009 је био Истакнути Предавач (*IEEE Distinguished Lecturer*). У пуно наврата је Др. Ђурић био гостујући професор на универзитетима у Тулузу и Ници у Француској. 2007. године је добио награду за најбољи рад објављеном у *Signal Processing Magazine*-у, а 2012. године награду за техничка достигнућа у обради сигнала од стране EURASIP-a (*European Association for Signal Processing*). У Друштву за Обраду Сигнала (*IEEE*) је радио на разним функцијама. Био је главни и технички организатор неколико познатих радионица (*workshops*). Један је од техничких организатора конференције у обради сигнала (ICASSP) 2019. у Брајтону у Енглеској (највећа интернационална конференција у обради сигнала). Био је члан Извршног Одбора Друштва за Обраду Сигнала (*Executive Committee of the IEEE Signal Processing Society*) и изабрани члан Управног Одбора Друштва (*Member-at-Large of the Board of Governors*). Од 2015. године је главни и одговорни уредник часописа *IEEE Transactions on Signal and Information Processing over Networks*. Др. Ђурић је *Visiting Fellow* од *University of Cambridge* (Енглеска) и *Fellow IEEE-a* и *EURASIP-a*.

Научно-стручни радови

Поглавља у монографијама

1. M. F. Bugallo and P. M. Djurić, "Statistical signal processing models for cancer stem cell formation and evolution," in Handbook on Bio- and Neuro-Informatics. By Nik Kasabov and Danilo Mandic (editors), Springer, 2014.
2. P. M. Djurić, "Spatial Spectrum Estimation," in Handbook on Array Processing and Sensor Networks, Eds. S. Haykin and K. J. R. Liu. Wiley: New York, 2010.
3. P. M. Djurić and M. F. Bugallo, "Particle filtering," in Advances in Adaptive Filtering, Eds. S. Haykin and T. Adali. Wiley: New York, 2010.
4. P. M. Djurić, "Sequential estimation of signals under model uncertainty," in Sequential Monte Carlo Methods in Practice, Eds. A. Doucet, N. De Freitas, and N. J. Gordon. Springer-Verlag: New York, 2001.
5. Z.I. Mitrovski and P. M. Djurić, "Least squares approximations," Encyclopedia of Electrical and Electronics Engineering, editor J. G. Webster, John Wiley & Sons, Inc., 2000.
6. P. M. Djurić and S. M. Kay, "Spectrum estimation and modeling," The Digital Signal Processing Handbook, editors V. Madisetti and D. Williams, CRC/IEEE Press Publication, 1998.

Радови у међународним научним часописима

1. K. Yu, J. Gerald Quirk, and P. M. Djurić, "Dynamic classification of fetal heart rates by hierarchical Dirichlet process mixture models," PLOS One, 2017.
2. M. F. Bugallo, V. Elvira, L. Martino, D. Luengo, J. Míguez, and P. M. Djurić, "Adaptive importance sampling: The past, the present, and the future," Signal Processing Magazine, vol. 34(4), pp. 60-79, 2017.
3. K. Dedecius and P. M. Djurić, "Sequential estimation and diffusion of information over networks: Linear models," Transactions on Signal Processing, vol. 65(7), pp. 1795-1809, 2017.
4. V. Elvira, J. Míguez, and P. M. Djurić, "Adapting the number of particles in sequential Monte Carlo methods through an online scheme for convergence assessment," Transactions on Signal Processing, vol. 65(7), pp. 1781-1794, 2017.
5. I. Urteaga and P. M. Djurić, "Sequential estimation of hidden ARMA processes by particle filtering - Part I," Transactions on Signal Processing, vol. 65(2), pp. 482-493, 2017.
6. I. Urteaga and P. M. Djurić, "Sequential estimation of hidden ARMA processes by particle filtering - Part II," Transactions on Signal Processing, vol. 65(2), pp. 494-504, 2017.
7. Z. Shen, A. Athalye, and P. M. Djurić, "Phase cancellation in backscatter-based tag-to-tag communication systems," Journal of the Internet of Things, vol. 47, pp. 959 - 970, 2016.
8. Y. Wang, and P. M. Djurić, "Distributed Bayesian estimation of linear models with unknown observation covariance," Transactions on Signal Processing, vol. 64(8), pp. 1962--1971, 2016.
9. Y. Wang and P. M. Djurić, "Social learning in linear networks of heterogeneous agents," Digital Signal Processing, vol. 47, pp. 17--24, 2015.

10. R. Hostettler and P. M. Djurić, "Vehicle Tracking Based on Magnetometer and Accelerometer Sensor Measurements," *IEEE Transactions on Vehicular Technology*, vol. 64(11), pp. 4917-4928, 2015.
11. O. Hlinka, F. Hlawatsch, and P. M. Djurić, "Distributed sequential estimation in asynchronous wireless sensor networks," *IEEE Signal Processing Letters*, vol. 22(11), pp. 1965--1969, 2015.
12. F. Tober, P. M. Djurić, and D. Mandic, "Unsupervised state-space modeling using reproducing kernels," *IEEE Transactions on Signal Processing*, vol. 63(19), pp. 5210-5221, 2015.
13. J. Beaudeau, M. F. Bugallo and P. M. Djurić, "RSSI-based multi-target tracking by cooperative agents using fusion of cross-target information," *IEEE Transactions on Signal Processing*, vol. 63(19), pp. 5033-5044, 2015.
14. Y. Wang and P. M. Djurić, "Social learning in linear networks of Bayesian agents and random decision making," *IEEE Transactions on Signal Processing*, vol. 63(12), pp. 3241--3250, 2015.
15. D. Dardari, P. Closas, and P. M. Djurić, "Indoor tracking: Theory, methods, and technologies," *IEEE Transactions on Vehicular Technology*, 64(4), pp. 1263-1278, 2015.
16. D. Dardari, P. Closas, and P. M. Djurić, "Indoor localization, tracking, and mapping with heterogeneous technologies," *Editorial, IEEE Transactions on Vehicular Technology*, 63(1), pp. 1261-1262, 2015.
17. C. Loo, N. Cardoner, H. Hallock, J. Pujol, C. Pantelis, D. Velakoulis, M. Yucel, P. Sachdev, O. Contreras-Rodriguez, M. Urretavizcaya, J. Menchon, C. Suo, P. M. Djurić, M. Maletić-Savatić, and M. Valenzuela, "Antidepressant effects of ECT may be related to hippocampal neurogenesis," *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, vol. 8(2), 424--425, 2015.
18. M. Bolić, M. Rostamian, and P. M. Djurić, "Proximity detection with RFID in the Internet of Things," *Pervasive Computing*, vol. 14(2), pp. 70-76, 2015.
19. T. Li, M. Bolić, P. M. Djurić, "Resampling methods for particle filtering," *Signal Processing Magazine*, vol. 32(3), pp. 70-86, 2015.
20. A. Bravo and P. M. Djurić, "Cooperative communications with mesh networks of decode-and-forward relays," *IEEE Transactions on Signal Processing*, vol. 63(1), pp. 5-17, 2015.
21. K. Dedecius, J. Reichl, and P. M. Djurić, "Sequential estimation of mixtures in diffusion networks," *IEEE Signal Processing Letters*, vol. 2(2), pp. 197-201, 2015.
22. S. Dash, J. G. Quirk, and P. M. Djurić, "Fetal heart rate classification using generative models," *IEEE Transactions on Biomedical Engineering*, vol. 61(11), 2796-2805, 2014.
23. Z. Weng and P. M. Djurić, "Efficient estimation of linear parameters from correlated node measurements over networks," *IEEE Signal Processing Letters*, vol. 21(11), 1408-1412, 2014.
24. O. Hlinka, F. Hlawatsch, and P. M. Djurić, "Consensus-based distributed particle filtering with distributed proposal adaptation," *IEEE Transactions on Signal Processing*, vol. 62(12), pp. 3029-3041, 2014.
25. Z. Weng and P. M. Djurić, "A search-free DOA estimation algorithm for coprime arrays," *Digital Signal Processing*, vol. 24(2014), pp. 27-33, 2014.
26. L. Geng, M. F. Bugallo, A. Athalye, and P. M. Djurić, "Indoor tracking with RFID systems," *IEEE Journal of Selected Topics in Signal Processing*, vol. 8(1), pp. 96-105, 2014.

27. P. M. Djurić, "Signal Processing: The ubiquitous stealth technology," *The Corridor*, vol. 2(5), pp. 48-49, 2014.
28. C. Loo, N. Cardoner, H. Hallock, J. Pujol, C. Pantelis, D. Velakoulis, M. Yucel, P. Sachdev, O. Contreras-Rodriguez, M. Urretavizcaya, J. Menchon, C. Suo, P. M. Djurić, M. Maletić-Savatić, and M. Valenzuela, "How relevant is the 1.28 ppm signal and hippocampal plasticity to clinical outcomes?" *Biological Psychiatry*, vol. 75(9), pp. 34S-34S, 2014.
29. D. H. Dini, P. M. Djurić, and D. P. Mandić, "The augmented complex particle filter," *IEEE Transactions on Signal Processing*, vol. 61(17), pp. 4341-4346, 2013.
30. E. Arias-de-Reyna and P. M. Djurić, "Indoor localization with range-based measurements and little prior information," *IEEE Sensors Journal*, vol. 13(5), pp. 1979-1987, 2013.
31. Y. Wang, and P. M. Djurić, "A gossip method for optimal consensus on a binary state from binary actions," *IEEE Journal of Selected Topics in Signal Processing*, vol. 7(2), pp. 274-283, 2013.
32. A. Athalye, V. Savić, M. Bolić, and P. M. Djurić, "A novel semi-passive RFID system for indoor localization," *IEEE Sensors Journal*, vol. 13(2), pp. 528-537, 2013.
33. J. Míguez, D. Crisan, and P. M. Djurić, "On the use of sequential Monte Carlo methods for maximum a posteriori sequence estimation and stochastic global optimization," *Statistics and Computing*, 23(1), 91-107, 2013.
34. O. Hlinka, F. Hlawatsch, and P. M. Djurić, "Distributed particle filtering in agent networks," *Signal Processing Magazine*, vol. 30(1), pp. 61-81, 2013.
35. C.S. Maiz, J. Míguez, E. M. Molanes-López, and P. M. Djurić, "A robustified particle filtering scheme for processing time series corrupted by outliers," *IEEE Transactions on Signal Processing*, vol. 60(9), pp. 4611-4627, 2012.
36. O. Hlinka, O. Sluciak, F. Hlawatsch, P. M. Djurić, and M. Rupp, "Likelihood consensus and its application to distributed particle filtering," *IEEE Transactions on Signal Processing*, vol. 60(8), pp. 4334-4349, 2012.
37. P. M. Djurić, M. Khan, and D. E. Johnston, "Particle filtering of stochastic volatility modeled with leverage," *IEEE Journal of Selected Topics in Signal Processing*, vol. 6(4), pp. 327-336, 2012.
38. P. M. Djurić and Y. Wang, "Distributed Bayesian learning in multiagent systems," *Signal Processing Magazine*, vol. 29(2), pp. 65-76, 2012.
39. D. E. Johnston and P. M. Djurić, "The science behind risk management: A signal processing perspective," *IEEE Signal Processing Magazine*, vol. 28(5), pp. 26-36, 2011.
40. L. Ma, Y. Li, P. M. Djurić, and M. Maletić-Savatić, "Systems biology approach to imaging of neural stem cells," *Methods in Molecular Biology*, vol. 211(421-434), 2011.
41. P. M. Djurić and J. Míguez, "Assessment of nonlinear dynamic models by Kolmogorov-Smirnov statistics," *IEEE Transactions on Signal Processing*, vol. 58(10), pp. 5069-5079, 2010.
42. M. Bolić, A. Athalye, S. Hong, and P. M. Djurić, "Study of algorithmic and architectural characteristics of Gaussian particle filters," *Journal of Signal Processing Systems (Springer)*, 2009.
43. M. Hong, M. F. Bugallo, and P. M. Djurić, "Joint Model Selection and Parameter Estimation by Population Monte Carlo Simulation," *Journal of Selected Topics in Signal Processing*, vol. 4(3), pp. 526-539, 2010.

44. M. Vemula, M. F. Bugallo, and P. M. Djurić, "Sensor self-localization with beacon uncertainty," *Signal Processing*, vol. 89(6), pp. 1144-1154, 2009.
45. P. M. Djurić, M. Vemula, and M. F. Bugallo, "Target tracking by particle filtering in binary sensor networks," *IEEE Transactions on Signal Processing*, vol. 56(6), pp. 2229-2238, 2008.
46. P. M. Djurić, H. Benveniste, M. E. Wagshul, F. Henn, G. Enikolopov, M. Maletić-Savatić, "Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain," *Science*, vol. 321(5889), p. 640, 2008.
47. S. S. Kocer, P. M. Djurić, M. F. Bugallo, S. R. Simon, and M. Matic, "Transcriptional profiling of putative human epithelial stem cells," *BMC Genomics*, vol. 9, p. 359, 2008.
48. M. Vemula, M. F. Bugallo, and P. M. Djurić, "Performance comparison of Gaussian-based filters using divergence measures," *IEEE Signal Processing Letters*, vol. 14(12), pp. 1020-1023, 2007.
49. M. Vemula, M. F. Bugallo, and P. M. Djurić, "Target tracking by SMC and fusion of random measures," *Signal, Image and Video Processing (Springer)*, vol. 1(2), pp. 149-161, 2007.
50. L. N. Manganas, X. Zhang, Y. Li, R. D. Hazel, S. D. Smith, M. E. Wagshul, F. Henn, H. Benveniste, P. M. Djurić, G. Enikolopov, M. Maletić-Savatić, "Identification of neural progenitor cells in the live human brain using magnetic resonance spectroscopy," *Science*, vol. 318(5852), pp. 980-985, 2007.
51. M. F. Bugallo, S. Xu, and P. M. Djurić, "Performance comparison of EKF and particle filtering methods for maneuvering targets," *Digital Signal Processing*, vol. 17(4), pp. 774-786, 2007.
52. S. Hong, J. Lee, A. Athalye, P. M. Djurić, and W.D. Cho, "Design methodology for domain-specific particle filter realization," *IEEE Transactions on Circuits and Systems - I: Regular Papers*, vol. 54(9), pp. 1987-2000, 2007.
53. S. Hong, S-S. Chin, M. Bolić, and P. M. Djurić, "Design and implementation of flexible resampling mechanism for parallel particle filters," *Journal of VLSI Signal Processing Systems for Signal, Image, and Video Technology*, vol. 2006(44), pp. 47-62, 2006.
54. J. Míguez, M. F. Bugallo, and P. M. Djurić, "Erratum on 'A new class of particle filters for random dynamical systems with unknown statistics,'" *EURASIP Journal on Applied Signal Processing*, Article ID 78708, 2006.
55. S. Hong and P. M. Djurić, "High-throughput scalable parallel resampling mechanism for effective redistribution of particles," *IEEE Transactions on Signal Processing*, vol. 54, no. 3, pp. 1144-1155, 2006.
56. S. Hong, P. M. Djurić, and M. Bolić, "Simplifying physical realization of Gaussian particle filters with block-level pipeline control," *EURASIP Journal on Applied Signal Processing*, vol. 2005(4), pp. 575-587, 2005.
57. A. Athalye, M. Bolić, S. Hong, and P. M. Djurić, "Generic hardware architectures for sampling and resampling in particle filters," *EURASIP Journal on Applied Signal Processing*, vol. 2005(17), pp. 2888-2902, 2005.
58. Y. Huang, J. Zhang, I. T. Luna, and P. M. Djurić, "Adaptive blind multiuser detection over flat fast-fading channels using particle filtering," *EURASIP Journal on Wireless Communications and Networking*, vol. 2005(2), pp. 130-140, 2005.

59. T. Ghirmai, M. F. Bugallo, J. Míguez, and P. M. Djurić, "A sequential Monte Carlo method for adaptive blind timing estimation and data detection," *IEEE Transactions on Signal Processing*, vol. 53(8), pp. 2855-2865, 2005.
60. M. Bolić, P. M. Djurić, and S. Hong, "Resampling algorithms and architectures for distributed particle filters," *IEEE Transactions Signal Processing*, vol. 53(7), pp. 2442-2450, 2005.
61. X. Zhang, K. De Cock, M. F. Bugallo, and P. M. Djurić, "A general method for the computation of probabilities in systems of first order chemical reactions," *Journal of Chemical Physics*, vol. 122(5), pp. 104101-1, 104101-8, 2005.
62. Y. Huang, J. Zhang, and P. M. Djurić, "Bayesian detection for BLAST," *IEEE Transactions on Signal Processing*, vol. 53(3), pp. 1086-1096, 2005.
63. K. De Cock, X. Zhang, M. F. Bugallo, and P. M. Djurić, "Comment on stiffness in stochastic chemically reacting systems: The implicit tau-leaping method," *Journal of Chemical Physics*, vol. 121(7), pp. 3347-3348, 2004.
64. P. M. Djurić, S. J. Godsill, and A. Doucet, "Particle filtering in signal processing," *Special Issue on Particle Filtering in Signal Processing - Editorial EURASIP Journal on Applied Signal Processing*, 2004 (15), pp. 2239-2241, 2004.
65. M. Bolić, P. M. Djurić, and S. Hong, "Resampling algorithms for particle filters: A computational complexity perspective," *EURASIP Journal on Applied Signal Processing*, vol. 2004(15), pp. 2267-2277, 2004.
66. J. Míguez, M. F. Bugallo, and P. M. Djurić, "A new class of particle filters for random dynamical systems with unknown statistics," *EURASIP Journal on Applied Signal Processing*, vol. 2004(15), pp. 2278-2294, 2004.
67. J. Míguez, T. Ghirmai, M. F. Bugallo, and P. M. Djurić, "A sequential Monte Carlo technique for blind synchronization and detection in frequency-flat Rayleigh fading wireless channels," *Signal Processing*, vol. 84(11), pp. 2081-2096, 2004.
68. J. Míguez and P. M. Djurić, "Blind equalization of frequency selective channels by sequential importance sampling," *IEEE Transactions on Signal Processing*, vol. 52(10), pp. 2738-2748, 2004.
69. T. Ghirmai, J. Kotecha, and P. M. Djurić, "Blind equalization for time-varying channels using particle filtering," *Digital Signal Processing*, vol. 14(2004), pp. 312-331, 2004.
70. Y. Huang and P. M. Djurić, "A blind particle filtering detector of signals transmitted over flat fading channels," *IEEE Transactions on Signal Processing*, vol. 52(7), pp. 1891-1900, 2004.
71. Y. Huang and P. M. Djurić, "A hybrid importance function for particle filtering," *IEEE Signal Processing Letters*, vol. 11(3), pp. 404-406, 2004.
72. J. Kotecha and P. M. Djurić, "Blind sequential detection for Rayleigh fading channels using hybrid Monte Carlo - recursive identification algorithms," *Signal Processing*, vol. 84, pp. 825-832, 2004.
73. S. Hong, M. Bolić, and P. M. Djurić, "An efficient fixed-point implementation of residual resampling scheme for high-speed particle filters," *IEEE Signal Processing Letters*, vol. 11(5), pp. 482-485, 2004.
74. P. M. Djurić, J. H. Kotecha, J. Zhang, Y. Huang, T. Ghirmai, M. F. Bugallo, and J. Míguez, "Particle filtering," *IEEE Signal Processing Magazine*, vol. 20(5), pp. 19-38, 2003.
75. J. Kotecha and P. M. Djurić, "Gaussian particle filtering," *IEEE Transactions on Signal Processing*, vol. 51(10), pp. 2592-2601, 2003.

76. J. Kotecha and P. M. Djurić, "Gaussian sum particle filtering," *IEEE Transactions on Signal Processing*, vol. 51(10), pp. 2602-2612, 2003.
77. J.-L. Pan, and P. M. Djurić, "Multibeam cellular communication systems with dynamic channel assignment," *IEEE Transactions on Vehicular Technology*, vol. 51 (5), pp. 1252-1258, 2002.
78. P. M. Djurić, J. Kotecha, F. Esteve, and E. Perret, "Sequential parameter estimation of time-varying non-Gaussian autoregressive processes," *EURASIP Journal on Applied Signal Processing*, vol. 2002 (8), pp. 865-875, 2002.
79. Y. Huang and P. M. Djurić, "Multiuser detection of synchronous code-division multiple-access signals by perfect sampling," *IEEE Transactions on Signal Processing*, vol. 50 (7), pp. 1724-1734, 2002.
80. P. M. Djurić and J.-H. Chun, "Parameter estimation of time-varying hidden Markov models by MCMC sampling," *IEEE Transactions on Signal Processing*, vol. 50 (5), pp. 1113-1124, 2002.
81. J. Zhang and P. M. Djurić, "Joint estimation and decoding of space-time trellis codes," *EURASIP Journal on Applied Signal Processing*, vol. 2002 (3), pp. 305-315, 2002.
82. Y. Huang and P. M. Djurić, "Variable selection by perfect sampling," *EURASIP Journal on Applied Signal Processing*, vol. 2002 (1), pp. 38-45, 2002.
83. P. M. Djurić and S. J. Godsill, "Guest editorial: Special issue on Monte Carlo methods for statistical signal processing," *IEEE Transactions on Signal Processing*, vol. 50 (2), p. 173, 2002.
84. P. M. Djurić, Y. Huang, and T. Ghirmai, "Perfect sampling: A review and its application to signal processing," *IEEE Transactions on Signal Processing*, vol. 50 (2), pp. 345-356, 2002.
85. S. Lésage, J.-Y. Tournet, and P. M. Djurić, "Classification of digital modulations by MCMC methods," *Monte Carlo Methods and Applications*, vol. 7, pp. 273-282, International Science Publishers, The Netherlands, 2001.
86. C. Andrieu, P. M. Djurić, A. Doucet, "Model selection by Markov chain Monte Carlo computations," *Signal Processing*, vol. 81, pp. 19-37, 2001.
87. P. M. Djurić and Y. Huang, "Estimation of a Bernoulli parameter p from imperfect trials," *IEEE Signal Processing Letters*, vol. 7 (6), pp. 160-163, 2000.
88. J.-L. Pan, S. S. Rappaport and P. M. Djurić, "Multibeam cellular communication systems with dynamic channel assignment across multiple sectors," *Wireless Networks Journal*, vol. 5 (4), pp. 267-278, 1999.
89. P. M. Djurić, "Bayesian methods for signal processing," *IEEE Signal Processing Magazine*, vol. 15 (5), pp. 26-28, 1998.
90. P. M. Djurić, "Asymptotic MAP criteria for model selection," *IEEE Transactions on Signal Processing*, vol. 46 (10), pp. 2726-2735, 1998.
91. H.-T. Li and P. M. Djurić, "MMSE estimation of nonlinear parameters of multiple linear/quadratic chirps," *IEEE Transactions on Signal Processing*, vol. 46 (3), pp. 796-800, 1998.
92. B. Obelić, D. Srdoc, P. M. Djurić, and S. Marino, "The frequency distribution of the number of ion pairs in irradiated tissue," *Radiation Research*, vol. 149 (5), pp. 411-415, 1998.
93. E. Beadle and P. M. Djurić, "Uniform random parameter generation of stable minimum phase real ARMA (p,q) processes," *IEEE Signal Processing Letters*, vol. 4 (9), pp. 259-261, 1997.

94. P. M. Djurić and J.-K. Fwu, "On the detection of edges in vector images," IEEE Transactions on Image Processing, vol. 6, pp. 1595-1601, 1997.
95. J.-K. Fwu and P. M. Djurić, "EM algorithm for image segmentation initialized by a tree structure scheme," IEEE Transactions on Image Processing, vol. 6 (2), pp. 349-352, 1997.
96. E. R. Beadle and P. M. Djurić, "A fast weighted Bayesian bootstrap filter for nonlinear model state estimation," IEEE Transactions on Aerospace and Electronic Systems, vol. 33 (1), pp. 338-343, 1997.
97. P. M. Djurić, "A model selection rule for sinusoids in Gaussian noise," IEEE Transactions on Signal Processing, vol. 44 (7), pp. 1744-1751, 1996.
98. J.-K. Fwu and P. M. Djurić, "Unsupervised vector image segmentation by a tree structure - ICM algorithm," IEEE Transactions on Medical Imaging, vol. 15 (6), pp. 871-880, 1996.
99. H.-T. Li and P. M. Djurić, "A novel approach to detection of closely spaced sinusoids," Signal Processing, vol. 51 (2), pp. 93-104, 1996.
100. H.-T. Li and P. M. Djurić, "An iterative MMSE procedure for parameter estimation of damped sinusoidal signals," Signal Processing, vol. 51 (2), pp. 105-120, 1996.
101. W. B. Bishop and P. M. Djurić, "Model order selection of damped sinusoids in noise by predictive densities," IEEE Transactions on Signal Processing, vol. 44 (3), pp. 611-619, 1996.
102. P. M. Djurić and H.-T. Li, "Bayesian spectrum estimation of harmonic signals," IEEE Signal Processing Letters, vol. 2 (11), pp. 213-215, 1995.
103. C.-M. Cho and P. M. Djurić, "Bayesian detection and estimation of cisoids in colored noise," IEEE Transactions on Signal Processing, vol. 42 (11), pp. 2943-2952, 1995.
104. P. M. Djurić and S. M. Kay, "Model selection based on Bayesian predictive densities and multiple data records," IEEE Transactions on Signal Processing, vol. 42 (7), pp. 1685-1699, 1994.
105. C.-M. Cho and P. M. Djurić, "Detection and estimation of DOAs of signals via Bayesian predictive densities," IEEE Transactions on Signal Processing, vol. 42 (11), pp. 3051-3060, 1994.
106. M. M. Begović, P. M. Djurić, S. Dunlap, and A. G. Phadke, "Frequency tracking in power networks in the presence of harmonics," IEEE Transactions on Power Delivery, vol. 8 (2), pp. 480-486, 1993.
107. P. M. Djurić and S. M. Kay, "Order selection of autoregressive models," IEEE Transactions on Signal Processing, vol. 40 (11), pp. 2829-2833, 1992.
108. P. M. Djurić, M. M. Begović, and M. Doroslovacki, "Instantaneous phase tracking in power networks by demodulation," IEEE Transactions on Instrumentation and Measurement, vol. 41 (6), pp. 963-967, 1992.
109. P. M. Djurić and S. M. Kay, "Parameter estimation of chirp signals," IEEE Transactions on Acoustics, Speech, and Signal Processing, vol. 38. (12), pp. 2118-2126, 1990.

Радови у зборницима радова међународних конференција

1. I. Santos, J.-J. Murillo, and P. M. Djurić, "Recursive estimation of time-varying RSS fields based on crowdsourcing and Gaussian processes," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Curaçao, 2017.
2. H. Wang and P. M. Djurić, "Diffusion in networks by cooperative particle filtering," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Curaçao, 2017.
3. L. Gan and P. M. Djurić, "Bayesian selection of models of network formation," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Curaçao, 2017.
4. Ç. Taşdemir, M. F. Bugallo, and P. M. Djurić, "A particle-based approach for topology estimation of gene networks," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Curaçao, 2017.
5. I. Santos and P. M. Djurić, "Crowdsource-based signal strength field estimation by Gaussian processes," Proceedings of the European Signal Processing Conference, Kos, Greece, 2017.
6. G. Feng, J. G. Quirk, and P. M. Djurić, "Recovery of missing samples in fetal heart rate recordings with Gaussian processes," Proceedings of the European Signal Processing Conference, Kos, Greece, 2017.
7. V. Elvira, J. Míguez, and P. M. Djurić, "Robust inference by particle filtering," Proceedings of the European Signal Processing Conference, Marrakesh, Morocco, 2017.
8. Y. Karimi, A. Athalye, S. Das, P. M. Djurić and M. Stanačević, "Design of a backscatter-based tag-to-tag system," Proceedings of the IEEE International Conference on RFID, Pheonix, AZ, 2017.
9. L. Gan, Y. Wang, and P. M. Djurić, "Bayesian learning in a network with multi-hypothesis decision exchanges," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, New Orleans, LA, 2017.
10. E. Arias-de-Reyna, D. Dardari, P. Closas, and P. M. Djurić, "Enhanced indoor localization through crowd sensing," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, New Orleans, LA, 2017.
11. A. Hansley and P. M. Djurić, "Nonparametric learning for hidden Markov models with preferential attachment dynamics," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, New Orleans, LA, 2017.
12. I. Urteaga, M. F. Bugallo, and P. M. Djurić, "Multiple particle filtering for inference in the presence of state correlation of unknown mixing parameters," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, New Orleans, LA, 2017.
13. K. Yu, J. G. Quirk, and P. M. Djurić, "Fetal heart rate classification by non-parametric Bayesian methods," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, New Orleans, LA, 2017.
14. M. Begović, I. Kim, B. Vidaković, P. M. Djurić, V. Jeremić, "Impact of short-term variations in the generation output of geographically dispersed PV systems," Proceedings of the 50th Hawaii International Conference on System Sciences, Waikoloa Village, HI, 2017.
15. P. M. Djurić and K. Dedecius, "Bayesian estimation of unknown parameters over networks," Proceedings of the European Signal Processing Conference, Budapest, Hungary, 2016.
16. I. Urteaga, M. F. Bugallo, and P. M. Djurić, "Sequential Monte Carlo methods under model uncertainty," Proceedings of the IEEE Statistical Signal Processing Workshop, Palma de Mallorca, Spain, 2016.
17. V. Elvira, J. Míguez, and P. M. Djurić, "A novel algorithm for adapting the number of particles in particle filtering," Proceedings of the IEEE Sensor Array and Multichannel Signal Processing Workshop, Rio De Janeiro, Brazil, 2016.

18. A. Athalye, J. Jian, Y. Karimi, S. R. Das, and P. M. Djurić, "Analog front end design for tags in backscatter-based tag-to-tag communication networks," Proceedings of the IEEE International Symposium on Circuits and Systems, Montreal, Canada, 2016.
19. V. Elvira, J. Míguez, and P. M. Djurić, "Online Adaptation of the Number of Particles of SMC methods," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, 2016.
20. Y. Wang, L. Gan, and P. M. Djurić, "Opinion dynamics in multi-agent systems with binary decision exchanges," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, 2016.
21. I. Urteaga, M. F. Bugallo, and P. M. Djurić, "Sequential Monte Carlo sampling for correlated latent long-memory time-series," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, 2016.
22. K. Yu and P. M. Djurić, "Dirichlet process mixture models for time-dependent clustering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, 2016.
23. K. Yu, J. G. Quirk, and P. M. Djurić, "Fetal heart rate analysis by hierarchical Dirichlet process mixture models," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, 2016.
24. Y. Wang, L. Gan, and P. M. Djurić, "Bayesian social learning with decision making in multiple rounds," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Cancún, Mexico, 2015.
25. I. Urteaga, M. F. Bugallo, and P. M. Djurić, "Filtering of nonlinear time-series coupled by fractional Gaussian processes," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Cancun, Mexico, 2015.
26. P. M. Djurić and K. Yu, "On generative models for sequential formation of clusters," Proceedings of the European Signal Processing Conference, Nice, France, 2015.
27. I. Urteaga, M. F. Bugallo, and P. M. Djurić, "Sequential Monte Carlo sampling for systems with fractional Gaussian processes," Proceedings of the European Signal Processing Conference, Nice, France, 2015.
28. M. F. Bugallo, Ç. Taşdemir, and P. M. Djurić, "Estimation of gene expression by a bank of filters," Proceedings of the European Signal Processing Conference, Nice, France, 2015.
29. K. Dedecius and P. M. Djurić, "Diffusion filtration with approximate Bayesian computation," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Brisbane, Australia, 2015.
30. I. Urteaga and P. M. Djurić, "Particle filtering of ARMA processes of unknown order and parameters," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Brisbane, Australia, 2015.
31. Y. Wang and P. M. Djurić, "Bayesian social learning in linear networks of agents with random behavior," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Brisbane, Australia, 2015.
32. L. Geng, M. F. Bugallo, and P. M. Djurić, "Real-time self-tracking in the Internet of Things," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Brisbane, Australia, 2015.
33. J. Beaudeau, M. F. Bugallo and P. M. Djurić, "On optimal mobile RSSI-sensor positioning for multi target tracking," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Brisbane, Australia, 2015.
34. P. M. Djurić and M. F. Bugallo, "Multiple particle filtering with improved efficiency and performance," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Brisbane, Australia, 2015.
35. M. Bolić, M. Rostamian, and P. Djurić, "Proximity detection with RFID in the Internet of Things," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA, 2014.

36. Z. Weng and P. M. Djurić, "Consensus for continuous belief functions," Proceedings of the European Signal Processing Conference, Lisbon, Portugal, 2014.
37. S. Dash and P. M. Djurić, "On the segmentation of switching autoregressive processes by nonparametric Bayesian methods," Proceedings of the European Signal Processing Conference, Lisbon, Portugal, 2014.
38. Y. Wang and P. M. Djurić, "On sequential estimation of linear models from data with correlated noise," Proceedings of the European Signal Processing Conference, Lisbon, Portugal, 2014.
39. M. F. Bugallo and P. M. Djurić, "Gaussian particle filtering in high-dimensional systems," Proceedings of the IEEE Statistical Signal Processing Workshop, Gold Coast, Australia, 2014.
40. P. M. Djurić and A. Bravo, "Cooperative mesh networks with EGC detectors," Proceedings of the IEEE Sensor Array and Multichannel Signal Processing Workshop, La Coruña, Spain, 2014.
41. Z. Shen and P. M. Djurić, "Distributed Bayesian learning with a Bernoulli model," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Florence, Italy, 2014.
42. J. Beaudeau, M. F. Bugallo, and P. M. Djurić, "Analysis of the cross-target measurement fusion likelihood for RSSI-based sensors," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Florence, Italy, 2014.
43. Y. Wang and P. M. Djurić, "Sequential Bayesian learning in linear networks with random decision making," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Florence, Italy, 2014.
44. M. F. Bugallo and P. M. Djurić, "Particle filtering in high-dimensional systems with Gaussian approximations," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Florence, Italy, 2014.
45. Z. Weng and P. M. Djurić, "Efficient learning by consensus over regular networks," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Florence, Italy, 2014.
46. I. Urteaga and P. M. Djurić, "Estimation of ARMA state processes by particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Florence, Italy, 2014.
47. P. M. Djurić and M. F. Bugallo, "Particle filtering for high-dimensional systems," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Saint Martin, 2013.
48. Y. Wang and P. M. Djurić, "Reaching optimal Bayesian belief over networks in the presence of communication noise," Proceedings of Global SIP, Austin, TX, 2013.
49. Y. Wang and P. M. Djurić, "Sequential estimation of linear models in distributed settings," Proceedings of the European Signal Processing Conference, Marrakesh, Morocco, 2013.
50. Z. Weng and P. M. Djurić, "Distributed estimation in the presence of correlated noises," Proceedings of the European Signal Processing Conference, Marrakesh, Morocco, 2013.
51. M. F. Bugallo, J. Beaudeau, and P. M. Djurić, "A mobile system for non-centralized target tracking in presence of dynamic interferences," Proceedings of the European Signal Processing Conference, Marrakesh, Morocco, 2013.
52. Y. Wang and P. M. Djurić, "Reaching Bayesian consensus in cognitive systems by decision exchanges," Proceedings of the European Signal Processing Conference, Marrakesh, Morocco, 2013.
53. L. Geng, M. F. Bugallo, and P. M. Djurić, "Tracking with asynchronous binary readings and layout information in RFID systems with sense-a-tags," Proceedings of the European Signal Processing Conference, Marrakesh, Morocco, 2013.
54. Z. Weng and P. M. Djurić, "Data fusion based on convex optimization," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Vancouver, Canada, 2013.

55. P. M. Djurić and A. Ferrari, "Models with products of Dirichlet processes," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Vancouver, Canada, 2013.
56. D. E. Johnston, I. Urteaga, and P. M. Djurić, "Replication and optimization of hedge fund risk factor exposures," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Vancouver, Canada, 2013.
57. L. Geng, M. F. Bugallo, and P. M. Djurić, "Tracking with RFID asynchronous measurements by particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Vancouver, Canada, 2013.
58. P. M. Djurić and A. Ferrari, "Classification of multivariate data using Dirichlet process mixture models," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2012.
59. P. M. Djurić and M. F. Bugallo, "Particle filtering for multivariate state-space models," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2012.
60. S. Dash and P. M. Djurić, "Learning dependencies among fetal heart rate features using Bayesian networks," Proceedings of the IEEE International Conference on Engineering in Medicine and Biology, San Diego, CA, 2012.
61. L. Geng, M. F. Bugallo, A. Athalye, and P. M. Djurić, "Real time indoor tracking of tagged objects with a network of RFID readers," Proceedings of the European Signal Processing Conference, Bucharest, Romania, 2012.
62. Z. Weng and P. M. Djurić, "A Bayesian approach to covariance estimation and data fusion," Proceedings of the European Signal Processing Conference, Bucharest, Romania, 2012.
63. P. M. Djurić and Ç. Taşdemir, "Estimating of posterior distributions with population Monte Carlo sampling and graphical modeling," Proceedings of the IEEE Statistical Signal Processing Workshop, Ann Arbor, MI, 2012.
64. D. E. Johnston and P. M. Djurić, "Estimating hedge fund risk factor exposures," Proceedings of Workshop on Signal Processing Advances in Wireless Communications, Çeşme, Turkey, 2012.
65. O. Hlinka, F. Hlawatsch, and P. M. Djurić, "Likelihood consensus-based distributed particle filtering with distributed proposal density adaptation," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Kyoto, Japan, 2012.
66. B. Shen, M. F. Bugallo, and P. M. Djurić, "Estimation of multimodal posterior distributions of chirp parameters with population Monte Carlo sampling," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Kyoto, Japan, 2012.
67. Y. Wang and P. M. Djurić, "Reaching consensus on a binary state by exchanging binary actions," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Kyoto, Japan, 2012.
68. S. Dash, J. Muscat, J. G. Quirk, and P. M. Djurić, "Classification of fetal heart rate series," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Kyoto, Japan, 2012.
69. J. Beaudeau, M. F. Bugallo, and P. M. Djurić, "Target tracking with asynchronous measurements by a network of distributed mobile agents," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Kyoto, Japan, 2012.
70. L. Geng and P. M. Djurić, "Non-centralized target tracking in networks of directional sensors: Further advances," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, San Juan, Puerto Rico, 2011.
71. O. Slučiak, O. Hlinka, M. Rupp, F. Hlawatsch, and P. M. Djurić, "Sequential likelihood consensus and its application to distributed particle filtering with reduced communications and latency," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2011.

72. S. Dash, J. Muscat, J. G. Quirk, and P. M. Djurić, "Implementation of NICHD diagnostic criteria for feature extraction and classification of fetal heart rate signals," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2011.
73. P. M. Djurić, B. Shen, and M. F. Bugallo, "Population Monte Carlo methodology a la Gibbs sampling," Proceedings of the European Signal Processing Conference, Barcelona, Spain, 2011.
74. P. M. Djurić and Y. Wang, "Evolution of social belief in multiagent systems," Proceedings of the IEEE Statistical Signal Processing Workshop, Nice, France, 2011.
75. P. M. Djurić and D. E. Johnston, "Estimation of predictive loss distributions by particle filtering," Proceedings of the IEEE Statistical Signal Processing Workshop, Nice, France, 2011.
76. V. Savić, A. Athalye, M. Bolić, and P. M. Djurić, "Particle filtering for indoor RFID tag tracking," Proceedings of the IEEE Statistical Signal Processing Workshop, Nice, France, 2011.
77. O. Hlinka, O. Slučiak, F. Hlawatsch, P. M. Djurić, and M. Rupp, "Distributed Gaussian particle filtering using likelihood consensus," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Prague, Czech Republic, 2011.
78. P. M. Djurić, J. Beaudeau, and M. F. Bugallo, "Non-centralized target tracking with mobile agents," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Prague, Czech Republic, 2011.
79. A. Athalye, V. Savić, M. Bolić, and P. M. Djurić, "A radio frequency identification system for accurate indoor localization," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, pp. 1777-1780, Prague, Czech Republic, 2011.
80. M. F. Bugallo, S. Dash, G. Botchkina, M. Lops, and P. M. Djurić, "A stochastic compartmental approach to modeling and simulation of cancer spheroid formation and evolution," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Prague, Czech Republic, 2011.
81. B. Balasingam, M. Bolić, P. M. Djurić, and J. Míguez, "Efficient distributed resampling for particle filters," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Prague, Czech Republic, 2011.
82. P. M. Djurić and L. Geng, "Non-centralized target tracking in networks of directional sensors," Proceedings of the IEEE Aerospace Conference, Big Sky, MT, 2011.
83. M. M. Begović, P. M. Djurić, and Y. Song, "On localized techniques for detection of voltage stability related problems," Proceedings of the International Conference on System Sciences, Kauai, HI, 2011.
84. P. M. Djurić and M. Bugallo, "Adaptive systems of particle filters," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2010.
85. O. Hlinka, O. Slučiak, F. Hlawatsch, P. M. Djurić, and M. Rupp, "Likelihood consensus: Principles and application to distributed particle filtering," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2010.
86. M. F. Bugallo, M. Lops, S. Dash, G. Botchkina, and P. M. Djurić, "Random set theory for biological systems: Understanding cancer stem cell evolution," Proceedings of the Sixth Joint Workshop on Coding and Communications (JWCC), Santo Stefano Belbo, Italy, 2010.
87. B. Shen, M. F. Bugallo, and P. M. Djurić, "Multiple marginalized population Monte Carlo," Proceedings of the European Signal Processing Conference, Aalborg, Denmark, 2010.
88. P. M. Djurić, P. Closas, M. F. Bugallo, and J. Míguez, "Evaluation of a method's robustness," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Dallas, TX, 2010.
89. M. F. Bugallo, G. Botchkina, and P. M. Djurić, "A stochastic model of proliferation of cancer stem cells and its estimation by particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Dallas, TX, 2010.

90. M. F. Bugallo and P. M. Djurić, "Target tracking by symbiotic particle filtering," Proceedings of the IEEE Aerospace Conference, Big Sky, MT, 2010.
91. M. Begović and P. M. Djurić, "On predicting times to failure of power equipment using historical failure information," Proceedings of the International Conference on System Sciences, Kauai, HI, 2010.
92. O. Hlinka, P. M. Djurić, and F. Hlawatsch, "Time-space-sequential distributed particle filtering with low-rate communications," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2009.
93. P. M. Djurić, M. F. Bugallo, P. Closas, and J. Míguez, "Measuring the robustness of sequential methods," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Aruba, 2009.
94. C. S. Maíz, J. Míguez, and P. M. Djurić, "Particle filtering in the presence of outliers," Proceedings of IEEE Statistical Signal Processing Workshop, Cardiff, UK, 2009.
95. V. Mane, M. F. Bugallo, and P. M. Djurić, "A stochastic approach to studying biochemical reactions without Monte Carlo simulations," Proceedings of the IEEE Statistical Signal Processing Workshop, Cardiff, UK, 2009.
96. P. M. Djurić and M. F. Bugallo, "Estimation of stochastic rate constants and tracking of species in biochemical networks with second-order reactions," Proceedings of the European Signal Processing Conference, Glasgow, Scotland, 2009.
97. S. Chiwate, Z. Zhang, K. Mernick, B. Shen, D. Vavilov, M. F. Bugallo, P. M. Djurić, H. Takai, and M. Marx, "Software defined radio based radar system for meteor detection," Proceedings of the Digital Signal Processing Workshop, Santorini, Greece, 2009.
98. V. Mane, M. F. Bugallo, and P. M. Djurić, "Stochastic modeling of second order reactions using a moment propagation method," Proceedings of GENSIPS, Chicago, IL, 2009.
99. A. Bravo-Santos and P. M. Djurić, "Cooperative relay communications in mesh networks" Proceedings of Workshop on Signal Processing Advances in Wireless Communications, Perugia, Italy, 2009.
100. P. M. Djurić and J. Míguez, "Model assessment with Kolmogorov-Smirnov statistics," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Taipei, Taiwan, 2009.
101. M. Bugallo, M. Hong, and P. M. Djurić, "Marginalized population Monte Carlo," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Taipei, Taiwan, 2009.
102. P. Closas, M. F. Bugallo, and P. M. Djurić, "Assessing robustness of particle filtering by the Kolmogorov-Smirnov statistics," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Taipei, Taiwan, 2009.
103. H. Snoussi, J.-Y. Tournet, P. M. Djurić, and C. Richard, "Data-driven online variational filtering in wireless sensor networks," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Taipei, Taiwan, 2009.
104. P. M. Djurić and M. F. Bugallo, "Improved target tracking with particle filtering," Proceedings of the IEEE Aerospace Conference, Big Sky, MT, 2009.
105. J. Míguez, C. Maíz, P. M. Djurić, and D. Crisan, "Sequential Monte Carlo optimization using artificial state-space models," 13th Digital Signal Processing Workshop and 5th Signal Processing Education Workshop, Marco Island, Florida, 2009.
106. M. F. Bugallo, C. Maíz, J. Míguez, and P. M. Djurić, "Cost-reference particle filters and fusion of information," 13th Digital Signal Processing Workshop and 5th Signal Processing Education Workshop, Marco Island, Florida, 2009.
107. M. F. Bugallo and P. M. Djurić, "Complex systems and particle filtering," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2008.
108. P. M. Djurić and M. F. Bugallo, "Particle filtering and the inverse problem of biochemical networks," Proceedings of the European Signal Processing Conference, Lausanne, Switzerland, 2008.

109. M. F. Bugallo, and P. M. Djurić, "A stochastic approach to solving inverse problems of biochemical networks," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Las Vegas, NE, 2008.
110. V. Mane, M. F. Bugallo, and P. M. Djurić, "Stochastic simulation of coupled chemical reactions using recursive methods," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Las Vegas, NE, 2008.
111. Y. Li and P. M. Djurić, "Target tracking with mobile sensors using cost-reference particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Las Vegas, NE, 2008.
112. T. Lu, M. F. Bugallo, and P. M. Djurić, "RLS-assisted cost-reference particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Las Vegas, NE, 2008.
113. M. Maletić-Savatić, L. K. Vingara, L. N. Manganas, Y. Li, S. Zhang, A. Sierra, R. Hazel, D. Smith, M. E. Wagshul, F. Henn, L. Krupp, G. Enikolopov, H. Benveniste, P. M. Djurić, and I. Pelczer, "Metabolomics of neural progenitor cells: a novel approach to biomarker discovery," Cold Spring Harbor Symposia on Quantitative Biology, vol. 73, p. 389--401, 2008.
114. P. M. Djurić, Z. Zhang, and M. F. Bugallo, "Target tracking by a new class of cost-reference particle filters," Proceedings of the IEEE Aerospace Conference, Big Sky, MT, 2008.
115. M. Vemula, M. F. Bugallo, and P. M. Djurić, "Particle filtering-based target tracking in binary sensor networks using adaptive thresholds," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, St. Thomas, US Virgin Islands, 2007.
116. M. F. Bugallo, T. Lu, and P. M. Djurić, "Bearings-only tracking with biased measurements," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, St. Thomas, US Virgin Islands, 2007.
117. P. M. Djurić, Z. Zhang, and M. F. Bugallo, "A new approach to cost-reference particle filtering," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2007.
118. M. F. Bugallo, T. Lu, and P. M. Djurić, "Biased sensors: Localization and data fusion," Proceedings of the 15th European Signal Processing Conference, Poznan, Poland, 2007.
119. M. F. Bugallo, T. Lu, and P. M. Djurić, "Learning by simplified cost-reference particle filtering using biased data," Proceedings of the 2007 IEEE International Workshop on Machine Learning for Signal Processing, Thessaloniki, Greece, 2007.
120. T. Lu, M. F. Bugallo, and P. M. Djurić, "Simplified marginalized particle filtering for tracking multimodal posteriors," Proceedings of the IEEE Statistical Signal Processing Workshop, Madison, WI, 2007.
121. M. F. Bugallo, T. Lu, and P. M. Djurić, "Tracking with biased measurements of signal strength sensors," Proceedings of the 15th International Conference on Digital Signal Processing, Cardiff, UK, 2007.
122. M. F. Bugallo, T. Lu, and P. M. Djurić, "On generalized particle filtering: Advances in theory and applications to target tracking," Proceedings of the 10th ONR/GTRI Workshop on Target Tracking and Sensor Fusion, Monterey, CA, 2007.
123. P. M. Djurić, T. Lu, and M. F. Bugallo, "Multiple particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Honolulu, Hawaii, 2007.
124. M. Vemula, M. F. Bugallo, and P. M. Djurić, "Cost-based Monte Carlo sampling approaches for sensor self-localization under beacon position uncertainty," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Honolulu, Hawaii, 2007.
125. Y. Li and P. M. Djurić, "Particle filtering for smart target tracking with mobile sensors," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Honolulu, Hawaii, 2007.

126. S. Xu, M. F. Bugallo, and P. M. Djurić, "Sequential estimation by combined cost-reference particle and Kalman filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Honolulu, Hawaii, 2007.
127. M. F. Bugallo, T. Lu and P. M. Djurić, "Target tracking by multiple particle filtering," Proceedings of the IEEE Aerospace Conference, Big Sky, MT, 2007.
128. P. M. Djurić and M. F. Bugallo, "Cost-reference particle filtering for dynamic systems with nonlinear and conditionally linear states," the IEEE Nonlinear Statistical Signal Processing Workshop, Cambridge, United Kingdom, 2006.
129. P. M. Djurić, T. Lu, and M. F. Bugallo, "Bearings-only tracking based on multiple sensor measurements and generalized particle filtering," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2006.
130. M. F. Bugallo and P. M. Djurić, "Advantages of cost-reference particle filters for multiple target tracking," Proceedings of the European Signal Processing Conference, Florence, Italy, 2006.
131. M. F. Bugallo, M. Vemula, and P. M. Djurić, "On proposal functions for cost-reference particle filtering," Proceedings of the 4-th IEEE Workshop on Sensor Array and Multichannel Processing, Waltham, MA, 2006.
132. M. Vemula, M. F. Bugallo, and P. M. Djurić, "Fusion of information for sensor self-localization by a Monte Carlo method," Proceedings of the 9-th International Conference on Information Fusion, Florence, Italy, 2006.
133. P. M. Djurić, M. M. Begović, and J. Perkel, "Prediction of power equipment failures based on chronological failure records," Proceedings of the IEEE International Symposium on Circuits and Systems, Kos, Greece, 2006.
134. A. Bravo-Santos, A. Artés-Rodríguez, and P. M. Djurić, "Packet combining over Rayleigh channels using signal-to-noise ratio information and detection by the maximum a posteriori criterion," Proceedings of Workshop on Signal Processing Advances in Wireless Communications, Cannes, France, 2006.
135. M. F. Bugallo and P. M. Djurić, "Tracking of time-varying number of moving targets in wireless sensor fields by particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Toulouse, France, 2006.
136. M. Vemula, M. F. Bugallo, and P. M. Djurić, "Target tracking in a two-tiered hierarchical sensor network," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Toulouse, France, 2006.
137. A. Athalye, S. Hong, and P. M. Djurić, "Distributed architecture and interconnection scheme for multiple model particle filters," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Toulouse, France, 2006.
138. S. Xu, M. F. Bugallo, and P. M. Djurić, "Maneuvering target tracking with simplified cost reference particle filters" Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Toulouse, France, 2006.
139. M. F. Bugallo, S. Xu, and P. M. Djurić, "Comparison of EKF- and PF-based methods in tracking maneuvering targets," Proceedings of the IEEE Aerospace Conference, Big Sky, MT, 2006.
140. M. Begović, P. M. Djurić, J. Perkel, B. Vidaković, and D. Novosel, "New probabilistic method for estimation of equipment failures and development of replacement strategies," International Conference on System Sciences, Kauai, HI, 2006.
141. P. M. Djurić, M. F. Bugallo, and J.-C. Lim, "Tracking a time-varying number of targets by a wireless sensor network," Proceedings of the IEEE Workshop on Computational Advances in Multi-sensor Adaptive Processing, Puerto Vallarta, Mexico, 2005.
142. M. F. Bugallo, J. Míguez and P. M. Djurić, "Positioning by cost reference particle filters: Study of various implementations," Proceedings of the 2005 International Conference on "Computer as a tool", EUROCON, Belgrade, Serbia and Montenegro, 2005.

143. J. Míguez, M. F. Bugallo, and P. M. Djurić, "Decision fusion for distributed target tracking using cost reference particle filtering," Proceedings of the European Signal Processing Conference, Antalya, Turkey, 2005.
144. P. M. Djurić, M. Vemula and M. F. Bugallo, "Non-cooperative localization of binary sensors," Proceedings of the IEEE SP Workshop on Statistical Signal Processing, Bordeaux, France, 2005.
145. M. Vemula and P. M. Djurić, "Multisensor fusion for target tracking using sequential Monte Carlo methods," Proceedings of the IEEE SP Workshop on Statistical Signal Processing, Bordeaux, France, 2005.
146. J. Míguez, M. F. Bugallo, and P. M. Djurić, "Novel particle filtering algorithms for fixed parameter estimation in dynamic systems," Proceedings of the International Symposium on Image and Signal Processing and Analysis, Zagreb, Croatia, 2005.
147. A. Giremus, J.-Y. Tournet, and P. M. Djurić, "An improved regularized particle filter for GPS/INS integration," Proceedings of Workshop on Signal Processing Advances in Wireless Communications, New York, NY, 2005.
148. P. M. Djurić, M. Vemula, and M. F. Bugallo, "Tracking with particle filtering in tertiary wireless sensor networks," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Philadelphia, PA, 2005.
149. J. Míguez, S. Xu, M. F. Bugallo, and P. M. Djurić, "Joint estimation of states and transition functions of dynamic systems using cost-reference particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Philadelphia, PA, 2005.
150. X. Zhang, K. De Cock, M. F. Bugallo, and P. M. Djurić, "An application of system theory to stochastic models for first order chemical reactions," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Philadelphia, PA, 2005.
151. Y. Huang, J. Zhang, I. T. Luna, and P. M. Djurić, "Adaptive blind multiuser detection over flat fast fading channels using particle filtering," Proceedings of GLOBECOM, Dallas, TX, 2004.
152. X. Zhang, K. De Cock, M. F. Bugallo, P. M. Djurić, "Computation of probabilities in enzyme reaction networks," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2004.
153. P. M. Djurić, "Monte Carlo methods for signal processing: recent advances," Proceedings of the European Signal Processing Conference, Vienna, Austria, 2004.
154. S. Hong, X. Liang, M. Bolić, and P. M. Djurić, "Data centric SIR particle filter design using buffer-level pipelining," Proceedings of ICSP, Istanbul, Turkey, 2004.
155. S. Hong, X. Liang, M. Bolić, and P. M. Djurić, "Design and synchronization of Gaussian particle filter using distributed controller scheme," Proceedings of ICSP, Istanbul, Turkey, 2004.
156. S. Hong, X. Liang, and P. M. Djurić, "Reconfigurable particle filter design using dataflow structure translation," Proceedings of the IEEE Workshop on Signal Processing Systems, Austin, TX, 2004.
157. K. De Cock, X. Zhang, M. F. Bugallo, and P. M. Djurić, "Stochastic simulation and parameter estimation of first order chemical reactions," Proceedings of the European Signal Processing Conference, Vienna, Austria, 2004.
158. M. Bolić, A. Athalye, S. Hong, and P. M. Djurić, "Algorithmic modification of particle filters for hardware implementation," Proceedings of the European Signal Processing Conference, Vienna, Austria, 2004.
159. P. M. Djurić, M. Vemula, and M. F. Bugallo, "Signal processing by particle filtering for binary sensor networks," 11th Digital Signal Processing Workshop and 3rd Signal Processing Education Workshop, Taos Ski Valley, NM, 2004.

160. A. Athalye, M. Bolić, S. Hong, and P. M. Djurić, "Architectures and memory schemes for sampling and resampling in particle filters," 11th Digital Signal Processing Workshop and 3rd Signal Processing Education Workshop, Taos Ski Valley, NM, 2004.
161. P. M. Djurić, M. F. Bugallo, and J. Míguez, "Density assisted particle filters for state and parameter estimation," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Montreal, Canada, 2004.
162. M. F. Bugallo, S. Xu, J. Míguez, and P. M. Djurić, "Maneuvering target tracking using cost reference particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Montreal, Canada, 2004.
163. T. Ghirmai, J. Míguez, M. F. Bugallo, P. M. Djurić, "A particle filter for blind timing recovery and data detection in fast fading wireless channels," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Montreal, Canada, 2004.
164. J. Míguez, S. Xu, M. F. Bugallo, P. M. Djurić, "A novel particle filtering approach and its application to target tracking," Proceedings of the IEEE Aerospace Conference, Big Sky, MT, 2004.
165. S. Hong, M. Bolić, and P. M. Djurić, "Design complexity comparison method for loop-based signal processing algorithms: particle filters," Proceedings of the IEEE International Symposium on Circuits and Systems, Vancouver, Canada, 2004.
166. Y. Huang, P. M. Djurić, and J. Zhang, "Joint velocity estimation and symbol detection in non-stationary fading channels by particle filtering," Proceedings of GLOBECOM, San Francisco, CA, 2003.
167. T. Ghirmai, M. F. Bugallo, J. Míguez, P. M. Djurić, "A novel particle filtering approach to blind symbol detection and timing estimation," Proceedings of the IEEE Vehicular Technology Conference, Orlando, FL, 2003.
168. J. Míguez, S. Xu, M. F. Bugallo, P. M. Djurić, "Particle filtering for systems with unknown noise probability distributions," Proceedings of the IEEE SP Workshop on Statistical Signal Processing, St. Louis, MO, 2003.
169. X. Zhang, K. De Cock, M. F. Bugallo, P. M. Djurić, "Stochastic simulation and parameter estimation of enzyme reaction models," Proceedings of the IEEE SP Workshop on Statistical Signal Processing, St. Louis, MO, 2003.
170. J. Míguez, T. Ghirmai, M. F. Bugallo, and P. M. Djurić, "Blind symbol detection and reference parameters estimation using the sequential Monte Carlo methodology," Proceedings of the 6th Baiona Workshop on Signal Processing in Communications, Baiona, Spain, 2003.
171. T. Ghirmai, P. M. Djurić, M. F. Bugallo, J. Kotecha, "A sequential Monte Carlo algorithm for blind timing recovery and data detection," Proceedings of the Workshop on Signal Processing Advances in Wireless Communications, Rome, Italy, 2003.
172. J. Míguez, M. F. Bugallo, and P. M. Djurić, "Multisample receivers for time-varying channels using particle filtering," Proceedings of the Workshop on Signal Processing Advances in Wireless Communications, Rome, Italy, 2003.
173. M. Bolić, Petar M. Djurić, and Sangjin Hong, "Resampling algorithms for particle filters suitable for parallel VLSI implementation," Proceedings of the Conference on Information Sciences and Systems, The Johns Hopkins University, 2003.
174. T. Ghirmai, M. F. Bugallo, P. M. Djurić, and J. Míguez, "Particle filtering based estimation of reference parameters in flat-fading environments," Proceedings of the Conference on Information Sciences and Systems, The Johns Hopkins University, 2003.
175. A. Athalye, S. Hong, and P. M. Djurić, "Effects of VLSI noise generators on performance and complexity of real-time particle filters," Proceedings of the Conference on Information Sciences and Systems, The Johns Hopkins University, 2003.
176. M. Bolić, P. M. Djurić, and S. Hong, "New resampling algorithms for particle filters," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Hong Kong, 2003.

177. T. Ghirmai, M. F. Bugallo, J. Míguez, and P. M. Djurić, "Joint symbol detection and timing estimation using particle filtering," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Hong Kong, 2003.
178. D. Bonacci, C. Mailhes, and P. M. Djurić, "Improving frequency resolution for correlation-based spectral estimation methods using subband decomposition," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Hong Kong, 2003.
179. Y. Huang, J. Zhang, and P. M. Djurić, "Detection with particle filtering in BLAST systems," Proceedings of the IEEE International Conference on Communications, Anchorage, Alaska, 2003.
180. M. Bolić, S. Hong, and P. M. Djurić, "Finite precision effect on performance and complexity of particle filters for bearing-only tracking," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2002.
181. M. Bolić, S. Hong, and P. M. Djurić, "Performance and complexity analysis of adaptive particle filtering for tracking applications," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, Asilomar, CA 2002.
182. P. M. Djurić, J. Zhang, T. Ghirmai, Y. Huang and J. H. Kotecha, "Applications of particle filtering to communications; A review," Proceedings of the European Signal Processing Conference, vol. II, pp. 169-172, Toulouse, France, 2002.
183. Y. Huang and P. M. Djurić, "A blind particle filtering detector for joint channel estimation, tracking and data detection over flat fading channels," Proceedings of the European Signal Processing Conference, vol. III, pp. 331-334, Toulouse, France, 2002.
184. J. Zhang, Y. Huang, and P. M. Djurić, "Multiuser detection with particle filtering," Proceedings of the European Signal Processing Conference, vol. II, pp. 307-310, Toulouse, France, 2002.
185. P. M. Djurić and J. Míguez, "Sequential particle filtering in the presence of additive Gaussian noise with unknown parameters," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Orlando, FL, 2002.
186. Y. Huang and P. M. Djurić, "A new importance function for particle filtering and its application to blind detection in flat fading channels," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Orlando, FL, 2002.
187. J. Kotecha and P. M. Djurić, "Sequential detectors for nonlinear channels with applications to satellite communications," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Orlando, FL, 2002.
188. J. Míguez and P. M. Djurić, "Equalization by sequential importance sampling," Proceedings of the IEEE International Symposium on Circuits and Systems, Phoenix, AZ, 2002.
189. J. Zhang, Y. Huang, and P. M. Djurić, "Joint channel estimation and decoding of space-time trellis codes," Proceedings of Conference on Information Sciences and Systems, Princeton, NJ, 2002.
190. J. Zhang, Y. Huang, and P. M. Djurić, "Joint Channel Estimation and Multiuser Detection using Particle Filtering," Proceedings of Conference on Information Sciences and Systems, Princeton, NJ, 2002.
191. T. Ghirmai, J. Kotecha, and P. M. Djurić, "Joint channel estimation and data detection over frequency selective fading channel using sequential Monte Carlo filtering," Proceedings of Conference on Information Sciences and Systems, Princeton, NJ, 2002.
192. L. Li, D. Chen, S. Lakare, K. Kreeger, I. Bitter, A. E. Kaufman, M. R. Wax, P. M. Djurić, and Z. Liang, "An image segmentation approach to extract colon lumen through colonic material tagging and hidden Markov random field model for virtual colonoscopy," Proceedings of the International Society for Magnetic Resonance in Medicine, 10th Scientific Meeting, Honolulu, HI, 2002.
193. P. M. Djurić, "Applications of Monte Carlo particle filters in signal processing," Proceedings of the International Statistical Institute, Seoul, South Korea, 2001.

194. J. Zhang and P. M. Djurić, "Joint channel estimation and decoding of space-time trellis codes," Proceedings of the IEEE SP Workshop on Statistical Signal Processing, Singapore, 2001.
195. Y. Huang, T. Ghirmai, and P. M. Djurić, "The rejection Gibbs coupler: a perfect sampling algorithm and its application to truncated multivariate Gaussian distributions," Proceedings of the IEEE SP Workshop on Statistical Signal Processing, Singapore, 2001.
196. J. Kotecha and P. M. Djurić, "Gaussian particle filtering," Proceedings of the IEEE SP Workshop on Statistical Signal Processing, Singapore, 2001.
197. P. M. Djurić, J. Kotecha, J.-Y. Tournet, and S. Lésage, "Adaptive signal processing by particle filters and discounting of old measurements," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, UT, 2001.
198. Y. Huang and P. M. Djurić, "Multiuser detection of synchronous CDMA signals by the Gibbs coupler," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, UT, 2001.
199. J. Kotecha and P. M. Djurić, "Gaussian sum particle filtering for dynamic state space models," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, UT, 2001.
200. C.-C. Lin and P. M. Djurić, "Bayesian estimation of chirplet signals by MCMC sampling," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, UT, 2001.
201. P. Michel, J.-Y. Tournet, and P. M. Djurić, "On-line model selection of nonstationary time series using Gerschgorin disks," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, UT, 2001.
202. S. Lésage, J.-Y. Tournet, and P. M. Djurić, "Classification of digital modulations by MCMC sampling," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, UT, 2001.
203. P. M. Djurić and J. Kotecha, "Estimation of non-Gaussian autoregressive processes by particle filters with forgetting factors," Proceedings of the Nonlinear Signal and Image Processing Conference, Baltimore, MD, 2001.
204. C.-C. Lin and P. M. Djurić, "Estimation of chirplets by the reversible jump MCMC sampling," Proceedings of the Nonlinear Signal and Image Processing Conference, Baltimore, MD, 2001.
205. J. Kotecha and P. M. Djurić, "Gaussian sum particle filtering detector for impulsive fading channels," Proceedings of the Nonlinear Signal and Image Processing Conference, Baltimore, MD, 2001.
206. Y. Huang and P. M. Djurić, "Variable selection by perfect sampling," Proceedings of the Nonlinear Signal and Image Processing Conference, Baltimore, MD, 2001.
207. D. An, K. W. Tang, and P. M. Djurić, "Performance comparison of BNN and MPNN on Proben1 database," Proceedings of the International Conference on Computers and Their Applications, Seattle, WA, 2001.
208. P. M. Djurić, "Sequential estimation of random parameters under model uncertainty," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Istanbul, Turkey, 2000.
209. C.-C. Lin and P. M. Djurić, "Estimation of chirp signals by MCMC," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Istanbul, Turkey, 2000.
210. Y. Huang and P. M. Djurić, "Bayesian detection of transient signals in colored noise," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Istanbul, Turkey, 2000.
211. J. Kotecha and P. M. Djurić, "Sequential Monte Carlo detector for Rayleigh fast-fading," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Istanbul, Turkey, 2000.

212. P. M. Djurić, "Sequential estimation of probability of events," Proceedings of the European Signal Processing Conference, Tampere, Finland, 2000.
213. J. Kotecha and P. M. Djurić, "Monte Carlo sampling methods for adaptive channel estimation and detection over a Rayleigh fading channel," Proceedings of the European Signal Processing Conference, Tampere, Finland, 2000.
214. Y. Huang and P. M. Djurić, "Choosing priors for an important class of signal processing problems," Proceedings of the European Signal Processing Conference, Tampere, Finland, 2000.
215. P. M. Djurić and J.-H. Chun, "Estimation of nonstationary hidden Markov models by MCMC sampling," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Phoenix, AZ, 1999.
216. J. Kotecha, and P. M. Djurić, "Gibbs sampling approach for generation of truncated multivariate Gaussian random variables," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Phoenix, AZ, 1999.
217. P. M. Djurić, "Monitoring and selection of dynamic models by Monte Carlo sampling," Proceedings of the IEEE SP Workshop on High Order Statistics, pp. 191-194, Caesarea, Israel, 1999.
218. Y. Huang and P. M. Djurić, "A Bayesian approach to direction-of-arrival estimation of coherent signals," Proceedings of the IEEE SP Workshop on High Order Statistics, pp. 371-374, Caesarea, Israel, 1999.
219. J.-L. Pan, S. S. Rappaport, and P. M. Djurić, "A multibeam medium access scheme for multiple services in wireless cellular communications," Proceedings of ICC, Vancouver, 1999.
220. P. M. Djurić and Y. Huang, "Estimation of probability of events from imperfect Bernoulli trials," Proceedings of the SPIE International Symposium on Mathematical Modeling, Bayesian Estimation, and Inverse Problems, vol. 3816, pp. 68-76, Denver, CO, 1999.
221. P. M. Djurić, "The use of bootstrap in computer-intensive Bayesian methods," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, vol 1, pp. 3-7, Asilomar, CA 1999.
222. P. M. Djurić, S. J. Godsill, W. J. Fitzgerald, and P. J. W. Rayner, "Detection and estimation of signals by reversible jump Markov chain Monte Carlo computations," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, Seattle, WA, 1998.
223. P. M. Djurić, "Variable selection by a reversible jump MCMC approach," Proceedings of the European Signal Processing Conference, vol. 4, pp. 2013-2016, Rhodes, Greece, 1998.
224. P. M. Djurić, S. J. Godsill, "Parametric modeling and estimation of time varying spectra," Proceedings of the Asilomar Conference on Signals, Systems, and Computers, vol 1., pp. 292-296, Asilomar, CA 1998.
225. P. M. Djurić, "A reversible jump algorithm for analysis of Gamma mixtures," Proceedings of the SPIE International Symposium, Bayesian Inference for Inverse Problems, vol. 3459, pp. 262-270, San Diego, CA, 1998.
226. J.-L. Pan, S. S. Rappaport, and P. M. Djurić, "Multibeam cellular communication systems with dynamic channel assignment across multiple sectors," Proceedings of CISS '98, Princeton, NJ, 1998.
227. J.-L. Pan, P. M. Djurić, and S. S. Rappaport, "Multibeam cellular communication systems with dynamic channel assignment," Proceedings of the IEEE Vehicular Technology Conference, vol. 3, pp. 2140-2144, Ottawa, Canada, 1998.
228. P. M. Djurić, "Using the bootstrap to select models," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. 5, pp. 3729-3732, Munich, Germany, 1997.

229. J.-K. Fwu and P. M. Djurić, "Cluster validation for image segmentation," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. 4, pp. 3149-3152, Munich, Germany, 1997.
230. E. R. Beadle and P. M. Djurić, "Bayesian parameter estimation of autoregressive mixture processes using Gibbs sampling," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. 5, pp. 3557-3560, Munich, Germany, 1997.
231. P. M. Djurić and M. Guo, "A novel approach to multiuser detection for CDMA systems," Proceedings of the IEEE Vehicular Technology Conference, vol. 2, pp. 563-566, Phoenix, AZ, 1997.
232. P. M. Djurić, J.-K. Fwu, S. Jovanović, and K. Lynn, "On the processing of piecewise-constant signals by hierarchical models with application to single ion channel currents," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. 5, pp. 2762-2765, Atlanta, GA, 1996.
233. J.-K. Fwu and P.M. Djurić, "Unsupervised vector image segmentation by the ICM method," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. 4, pp. 2235-2238, Atlanta, GA, 1996.
234. H.-T. Li and P.M. Djurić, "MMSE parameter estimation of multiple chirp signals," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. 5, pp. 2606-2609, Atlanta, GA, 1996.
235. J.-L. Pan, P.M. Djurić, and S. R. Rappaport, "A simulation model of combined handoff initiation and channel availability in cellular communications," Proceedings of the IEEE Vehicular Technology Conference, vol. 3, pp. 1515-1519, Atlanta, GA, 1996.
236. M. M. Begović and P. M. Djurić, "Power system disturbance monitoring using spectral analysis," Proceedings of the IEEE International Symposium on Circuits and Systems, Atlanta, GA, 1996.
237. H.-T. Li and P.M. Djurić, "An iterative procedure for joint Bayesian spectrum and parameter estimation of harmonic signals," Proceedings of the IEEE International Symposium on Circuits and Systems, Atlanta, GA, 1996.
238. P. M. Djurić, "A novel approach to rank determination of covariance matrices," Proceedings of the IEEE SP Workshop on Statistical Signal and Array Processing, pp. 40-43, Corfu, Greece, 1996.
239. J.-K. Fwu and P. M. Djurić, "Automatic segmentation of piecewise constant signal by hidden Markov models," Proceedings of the IEEE SP Workshop on Statistical Signal and Array Processing, pp. 283-286, Corfu, Greece, 1996.
240. E. Beadle and P. M. Djurić, "Parameter estimation for non-Gaussian autoregressive processes," Proceedings of the Conference on Information Sciences and Systems, Princeton, NJ, 1996.
241. P. M. Djurić, "A Bayesian model order determination rule for harmonic signals," Proceedings of the IEEE International Symposium on Circuits and Systems, pp. 2273-2276, Seattle, WA, 1995.
242. W. B. Bishop and P. M. Djurić, "A joint order selection criterion for multiple sinusoids in autoregressive noise by asymptotic Bayesian statistics," Proceedings of the Third World Meeting of the International Society For Bayesian Analysis, Oaxaca, Mexico, 1995.
243. H.-T. Li and P. M. Djurić, "A novel approach to detection of closely spaced sinusoids," Proceedings of the IEEE International Symposium on Circuits and Systems, pp. 2289-2292, Seattle, WA, 1995.
244. W. B. Bishop and P. M. Djurić, "Model order selection of damped sinusoids by predictive densities," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, pp. 1621-1624, Detroit, MI, 1995.
245. P. M. Djurić and J. Fwu, "Boundary detection in noisy vector fields," Proceedings of the SPIE Conference on Medical Imaging, pp. 730-741, San Diego, CA, 1995.

246. P. M. Djurić, "A MAP solution to off-line segmentation of signals," Proceedings of the IEEE International Conference on Acoustics Speech and Signal Processing, vol. V, pp. 505-508, Adelaide, Australia, 1994.
247. D. E. Johnston and P. M. Djurić, "An efficient Bayes solution to AR signal modeling for short sequences," Proceedings of the IEEE International Conference on Acoustics Speech and Signal Processing, vol. IV, pp. 345-348, Adelaide, Australia, 1994.
248. C.-M. Cho and P. M. Djurić, "Detection and estimation of multiple cisoids in colored noise by Bayesian predictive densities," Proceedings of the IEEE International Conference on Acoustics Speech and Signal Processing, vol. IV, pp. 501-504, Adelaide, Australia, 1994.
249. P. M. Djurić, "Model selection based on asymptotic Bayes theory," Proceedings of the IEEE SP Workshop on Statistical Signal and Array Processing, pp. 7-10, Quebec City, Canada, 1994.
250. W. B. Bishop, P. M. Djurić, and D. E. Johnston, "Model selection and parameter estimation of exponential time series through adaptive importance sampling," Proceedings of the IEEE SP Workshop on Statistical Signal and Array Processing, pp. 51-54, Quebec City, Canada, 1994.
251. P. M. Djurić, W. B. Bishop, and D. E. Johnston, "A Bayesian procedure for the detection of damped signals," Proceedings of the IEEE International Symposium on Circuits and Systems, vol. 2, pp. 401-404, London, England, 1994.
252. D. E. Johnston and P. M. Djurić, "Bayesian detection and MMSE frequency estimation of sinusoidal signals via adaptive importance sampling," Proceedings of the IEEE International Symposium on Circuits and Systems, vol. 2, pp. 417-420, London, England, 1994.
253. P. M. Djurić, "Simultaneous detection and frequency estimation of sinusoidal signals," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. IV, pp. 53-56, Minneapolis, MN, 1993.
254. C.-M. Cho and P. M. Djurić, "Detection and localization of multiple sources via Bayesian predictive densities," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. IV, pp. 57-60, Minneapolis, MN, 1993.
255. P. M. Djurić and C.-M. Cho, "Frequency estimation of sinusoids in colored Gaussian noise," Proceedings of the IEEE International Symposium on Circuits and Systems, vol. I, pp. 439-442, Chicago, IL, 1993.
256. D. E. Johnston and P. M. Djurić, "On the frequency estimation of sinusoidal signals in Known and Unknown Gaussian Noise using Bayesian Approach," regular paper, Proceedings of the Conference on Information Sciences and Systems, pp. 639-644, Baltimore, MD, 1993.
257. P. M. Djurić, S. M. Kay, and G. F. Boudreaux-Bartels, "Segmentation of nonstationary signals," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, vol. V, pp. 161 -- 164, San Francisco, CA, 1992.
258. P. M. Djurić and M. M. Begović, "Adaptive estimation of frequency in power networks," Proceedings of the IEEE International Symposium on Circuits and Systems, pp. 2372-2375, San Diego, CA, 1992.
259. M. Doroslovački, H. Fan, and P. M. Djurić, "Time-frequency localization for sequences," Proceedings of the IEEE--SP International Symposium on Time-Frequency and Time-Scale Analysis, pp. 159-162, Victoria, Canada, 1992.
260. P. M. Djurić, M. M. Begović, and M. Doroslovački, "Instantaneous phase tracking in power networks by demodulation" Proceedings of the IEEE Instrumentation and Measurement Technology Conference, pp. 314-319, New York, 1992.
261. P. M. Djurić and M. Doroslovački, "On model selection by quasi-Bayesian predictive densities," Proceedings of the IEEE International Symposium on Circuits and Systems, pp. 2741-2744, San Diego, CA, 1992.
262. M. M. Begović, P. M. Djurić, S. Dunlap, and A. G. Phadke, "Frequency tracking in power networks in the presence of harmonics," Proceedings of the IEEE International Conference on Harmonics in Power Systems V, Atlanta, GA 1992.

263. M. Doroslovački, H. Fan, and P. M. Djurić, "Wavelets and linear system modeling," Proceedings of the 26-th Annual Conference on Information Sciences and Systems at Princeton, 1992.
264. S. Jovanović and P. M. Djurić, "On the classification of the multilevel phase shift keying signals," Proceedings of the European Signal Processing Conference, Brussels, Belgium, 1992.
265. P. M. Djurić and S. M. Kay, "Model order estimation of 2D autoregressive processes," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, pp. 3405-3408, Toronto, Canada, 1991.
266. P. M. Djurić and G. F. Boudreaux-Bartels, "Detection of changes in the parameters of a special class of FM signals," Proceedings of the Third Biennial IEEE Mini Conference on Acoustics, Speech, and Signal Processing, pp. S4.1-S4.2, Boston, MA, 1991.
267. P. M. Djurić and S. Kay, "Predictive probability as a criterion for model selection," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, pp. 2415-2418, Albuquerque, New Mexico, 1990.
268. P. M. Djurić, "Model selection by cross-validation," Proceedings of the IEEE International Symposium on Circuits and Systems, pp. 2760-2763, New Orleans, Louisiana, 1990.
269. P. M. Djurić and A. Zavaljevski, "On the selection of a complex linear regression model," Proceedings of the European Signal Processing Conference, pp. 385-388, Barcelona, Spain, 1990.
270. P. M. Djurić and S. Kay, "A simple frequency rate estimator," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, pp. 2254-2257, Glasgow, Scotland, 1989.
271. S. M. Kay, L. B. Jackson, J. Huang, and P. M. Djurić, "An approximate maximum likelihood ARMA estimation based on the power cepstrum," Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, pp. 2344-2347, New York, 1988.
272. P. M. Djurić, M. Doroslovački, and S. Jovanović, "Discrete complex white noise," Proceedings of the Yugoslav Conference ETAN, Herceg-Novi, 1986.
273. S. Jovanović, P. M. Djurić, and M. Doroslovački, "Symbol rate estimator of synchronous M-FSK signals," Proceedings of the Yugoslav Conference ETAN, Herceg-Novi, 1986.
274. M. Aleksić, P. M. Djurić, and A. Zavaljevski, "Radio source azimuth estimation by the maximum likelihood method", Proceedings of the Yugoslav Conference ETAN, Herceg-Novi, 1986.
275. A. Zavaljevski, G. Živanović, M. Doroslovački, P. M. Djurić, and M. Aleksić, "Binary Signal Receiver Realization on the TMS320 Signal Processor," Proceedings of the Conference on Informatics - Jahorina, Sarajevo, 1985.
276. M. Aleksić, P. M. Djurić, A. Zavaljevski, and S. Jovanović, "An algorithm for processing demodulated telegraph signals," Proceedings of the Yugoslav Conference ETAN, Split, 1984.
277. G. Živanović and P. M. Djurić, "A statistical-structural approach to pattern recognition of a certain class of problems," Proceedings of the Yugoslav Conference ETAN, Split, 1984.
278. P. M. Djurić and M. Aleksić, "Microprocessor realization of a digital receiver," Proceedings of the Conference on Informatics - Jahorina, Sarajevo, 1984.
279. P. M. Djurić, "Estimation of the parameters of the ARMA model using autocorrelations and inverse autocorrelations," Proceedings of IASTED, Innsbruck, Austria, 1984.
280. P. M. Djurić, "An approach to ARMA parameter estimation," Proceedings of the Yugoslav Conference ETAN, Struga, 1983.
281. M. Dragošević, A. Zavaljevski, G. Živanović, and P. M. Djurić, "Interactive software for digital signal processing," Proceedings of the Conference on Informatics - Jahorina, Sarajevo, 1982.

Предавања по позиву

1. IMS Health, Plymouth Meeting, PA, 2017
2. Plenary speaker, European Conference European Signal Processing Conference, Budapest, Hungary, 2016
3. Plenary speaker, IEEE Workshop on Statistical Signal Processing, Palma de Mallorca, Spain, 2016
4. Syracuse University, 2016
5. IEEE Summer School in Signal Processing, Barcelona, Spain, 2015
6. Uppsala University, Sweden, 2015
7. Florida Atlantic University, Boca Raton, 2014
8. Plenary speaker, ICSPCC, Guilin, China, 2014
9. Tutorial at EUSIPCO, Bucharest, Romania, 2012
10. Vienna University of Technology, Vienna, Austria, 2012
11. University of Seville, Seville, Spain, 2011
12. Long Island Forum for Technology, Bethpage, NY, 2011
13. University of Belgrade, NEUREL, Belgrade, Serbia, (plenary talk), 2010
14. University of Pireaus, Greece, (plenary talk), 2010
15. University of Ottawa, Ottawa, Canada, 2009
16. University of British Columbia, Vancouver, Canada, 2009
17. University of Ames, IA, 2009
18. IEEE Chapter, Madison, WI, 2009
19. IEEE Chapter, Rochester, MN, 2009
20. DeVry University, Denver, CO, 2009
21. Institute of Technology, Buenos Aires, Argentina, 2009
22. University of Minnesota, Minneapolis, MN, 2009
23. Drexel University, Philadelphia, PA, 2009
24. Universidad Politécnica de Madrid, Madrid, Spain, 2008
25. Universidad Carlos III, Madrid, Spain, 2008
26. University of Belgrade, Serbia, 2008
27. The Monash University, Kuala Lumpur, Malaysia, 2008
28. Nanyang Technological University, Singapore, 2008
29. The Chinese University of Hong Kong, Hong Kong, 2008
30. Northwestern Polytechnical University, Xi'an, China, 2008
31. University of Chicago, Chicago, IL, 2008
32. University of Maryland, College Park, MD, 2008
33. Linköping University, Sweden, 2008
34. University of Connecticut, Storrs, CT, 2007
35. Brookhaven National Laboratory, NY, 2007
36. Naval Postgraduate School (tribute to Fred Daum), Monterey, CA, 2007
37. Ecole National Supérieure de Télécommunication, Paris, France, 2006
38. Nonlinear Statistical Signal Processing Workshop, Cambridge, UK, 2006
39. ARO-MURI Workshop on “Adaptive Sensing and Waveform Design,” Georgia Tech, Atlanta, GA, 2005
40. Universidad Carlos III de Madrid, Madrid, Spain, 2005
41. European Signal Processing Conference, Vienna, Austria, 2004
42. IEEE Workshop on Machine Learning for Signal Processing, Sao Luis, Brazil, 2004
43. Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil, 2004
44. Instituto Tecnológico de Aeronáutica, São José dos Campos, Brazil, 2004
45. XVIII Simposium Nacional de la Unión Científica Internacional de Radio, La Coruña, Spain, (plenary) 2003
46. ENSEEIHT, Toulouse, France 2002

47. Universidade da Coruña, La Coruña, Spain 2002
48. Tutorial at ICASSP 2002, Orlando, FL 2002
49. Drexel University, Philadelphia, PA 2002
50. Uppsala University, Uppsala, Sweden 2001
51. 53rd Session of the International Statistical Institute, Seoul, South Korea, 2001
52. State University of New York, Buffalo, 1999
53. New Jersey Institute of Technology, Newark, NJ, 1999
54. Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, 1998
55. University of George Washington, Washington, DC, 1998
56. University of Westminster, London, UK, 1997
57. University of Cambridge, Cambridge, UK, 1997
58. University of Rhode Island, Kingston, RI, 1997
59. Northwestern Polytechnical University, Xi'an, China 1996

Професионална сарадња и стручно ангажовање

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- **Супервизија теза (све Ph.D.):**
 1. Chao-Ming Cho (1993), “Bayesian detection and estimation of superimposed signals by a subspace approach”
 2. Douglas E. Johnston (1994), “A Bayesian approach to signal modeling and estimation”
 3. Hsiang-Tsun Li (1996), “Bayesian parameter and spectral estimation”
 4. William B. Bishop (1996), “Probabilistic analysis of transient signals by the Bayesian maximum a posteriori criterion”
 5. Jong-Kae Fwu (1996), “Markov random field model based automatic segmentation of vector images”
 6. Edward Beadle (1996), “Two approaches to Bayesian signal processing: The Gibbs sampler and the bootstrap filter”
 7. Jung-Lin Pan (1998), “Multibeam scheme and dynamic channel assignment in cellular mobile and personal communications”

8. Joon-Hwa Chun (2000), "Analysis of nonstationary hidden Markov models by MCMC sampling"
9. Chung-Chieh Lin (2001), "Processing of chirp and chirplet signals by MCMC methods"
10. Yufei Huang (2001), "New perfect sampling schemes and their application to signal processing"
11. Jayesh Kotecha (2001), "Sequential Monte Carlo methods for dynamic state space models with applications to communications"
12. Jianqiu Zhang, (2002), "Particle filtering and its application in communications"
13. Miodrag Bolić (2004), "Architectures for efficient implementation of particle filters"
14. Tadesse Ghirmai (2004), "Sequential Monte Carlo techniques for blind synchronization and detection"
15. Xueying Zhang (2006), "Stochastic modeling, simulation, and parameter estimation for chemical reactions in biological systems"
16. Shanshan Xu (2006), "Particle filtering for systems with unknown noise probability distributions"
17. Akshay Athalye (2007), "Design and implementation of reconfigurable hardware for real-time particle filtering"
18. Jae-Chan Lim (2007), "Tracking a variable number of targets based on RSS measurements in wireless sensor networks"
19. Mahesh Vemula (2007), "Monte Carlo methods for signal processing in wireless sensor networks"
20. Ting Lu (2008), "Improved Monte Carlo-based methods for target tracking with sensor networks"
21. Yao Li (2008), "Target tracking with sequential Monte Carlo methods in mobile sensor networks"
22. Zejie Zhang (2008), "On proposal densities for particle filtering"
23. Mahsiul Khan (2009), "Simulation-based sequential Bayesian filtering with Rao-Blackwellization applied to nonlinear dynamic state space models"
24. Vibha Mane (2010), "Moment propagation methods for stochastic simulation of complex biochemical systems"
25. Shishir Dash (2014), "Bayesian methods for feature extraction and classification of fetal heart rate signals"
26. Jonathan Beaudeau (2014), "Multi-agent systems for cooperative tracking"
27. Zhiyuan Weng (2014), "Distributed estimation in the presence of correlation"
28. Yunlong Wang (2015), "Distributed Bayesian learning in multi-agent systems"
29. Zhe Shen (2015), "Problems and solutions for backscatter-based tag-to-tag communication in the Internet of Things"
30. Iñigo Urteaga (2016), "Sequential Monte Carlo methods for inference and prediction of latent time-series"

Одзив на радове

Радови Др. Ђурића су цитирани око 9000 пута. Сваки од осамнаест најцитиранијих радова је добио више од 100 цитата. Пет најцитиранији су журналски радови: [75] са 1000 цитата, [74] са 908 цитата, [76] са 459 цитата, [109] са 426 цитата, и [50] са 386 цитата. Пет најцитиранији су журналски радови: 75. са 1000 цитата, 74. са 908 цитата, 76. са 459 цитата, 109. са 426 цитата, и 50. са 386 цитата. Четири рада објављених 2013. или касније имају сваки више од 100 цитата ([16], [19], [34], [36]). Подаци су прикупљени са Google Scholar-а крајем септембра 2017.

Мишљење Комисије

Из изложеног се види да кандидат, др Петар Ђурић, редовни професор на Стони Брук Универзитету (*Stony Brook University*) који је део система Њујоршких државних универзитета, испуњава све услове Закона о високом образовању (члан 66) и Статута Електротехничког факултета, Универзитета у Београду, (чланови 17 и 102), за избор у звање гостујући професор.

Др Петар Ђурић има докторат наука, 6 поглавља у међународним монографијама, 109 рада објављена у међународним часописима, 280 радова на међународним научним скуповима и велики број предавања по позиву. Важно је истаћи да је проф. др Петар Ђурић 2017. године добио звање Истакнути професор (*State University of New York Distinguished Professor*) које се додељује научним радницима за постигнуту националну и интернационалну репутацију у области истраживања, да је био гостујући професор на различитим реномираним универзитетима у свету, и што је најважније да поседује иницијативу да својим знањем и педагошким искуством допринесе развоју науке и образовања на нашем Универзитету.

Полазећи од анализе целокупне наставне и научноистраживачке активности проф. др Петра Ђурића, обима и квалитета његовог рада, а посебно научног рада из области дефицитарних на Електротехничком факултету, те његовог ангажовања да их пренесе студентима и колегама у Србији, предлагемо Изборном већу Електротехничког факултета, Универзитета у Београду, да га изабере у звање гостујући професор.

у Београду,
дана 05.10.2017.

Чланови Комисије:

др Жељко Ђуровић, ред. проф.

др Бранко Ковачевић, ред. проф.

др Зоран Јовановић, ред. проф.