

Volume 38 Number 1 January 2025

CONTENTS

A New Adaptive Prediction Algorithm for Judicial Sentencing with Empirical Studies	DAI Ruifen WANG Fang GUO Lei (3)
Linear Prediction for Some Rosenblatt and Rosenblatt-Volterra Processes	DUNCAN Tyrone E. PASIK-DUNCAN Bozena (21)
Weak Form Mitter Conjecture on Nonmaximal Rank Estimation Algebra: State Dimension 4 and Rank 3	JIAO Xiaopei YAU Stephen Shing-Toung (27)
The Applications of Yau-Yau Algorithm on McKean-Vlasov Filtering Problem	SUN Zeju YAU Stephen Shing-Toung (79)
Notes on Linear Gossip Algorithms: Potentials and Challenges	GERENCSÉR Balázs GERENCSÉR László (98)
Inferring Evanescent Stochastic Dynamics from Marginal Distributions	ELDESOUKY Asmaa MIANGOLARRA Olga Movilla GEORGIOU Tryphon T. (129)
Detectability of Discrete Event Systems Under Sensor Attacks	RITSUKA K. LIN Feng LAFORTUNE Stéphane WANG Caisheng (150)
A Two-Pronged Approach to Security of Discrete-Event Systems	MATSUI Shoma RUDIE Karen CAI Kai (178)
Best Linear Controllers for Decentralized Linear Quadratic Systems	AFSHARI Mohammad MAHAJAN Aditya (210)
Near Optimal Approximations and Finite Memory Policies for POMDPs with Continuous Spaces	KARA Ali Devran BAYRAKTAR Erhan YÜKSEL Serdar (238)
Signalling and Control of Nonlinear Partially Observable Stochastic Systems: Information States, Sufficient Statistics, and Applications	CHARALAMBOUS Charalambos D. LOUKA Stelios (271)
Functional Role of Synchronization: A Mean-Field Control Perspective	MEHTA Prashant MEYN Sean (313)
Asymptotic Analysis of Epidemics on Networks	SOLO Victor (338)
A Graphon Mean Field Convex Duality Approach to Shaping the Terminal Probability Distribution of a Network of Nonlinear Multi-Agent Systems	PAKNIYAT Ali (349)
Distributed Nash Equilibrium Seeking with Disturbances of Unknown Frequencies for High-Order Integrators over Jointly Strongly Connected Switching Networks	HE Xiongnan HUANG Jie (369)
Brief Review on Mean Field Optimal Control Problem from a Linear Quadratic Perspective	JIANG Xiushan HO Daniel. W. C. ZHANG Weihai (390)
On-Policy and Off-Policy Value Iteration Algorithms for Stochastic Zero-Sum Dynamic Games	GUO Liangyuan WANG Bing-Chang ZHANG Ji-Feng (421)
Risk-Sensitive Linear-Quadratic Mean-Field Games: Asymptotic Solvability and Decentralized $O(1/N)$ -Nash Equilibria	WANG Yu HUANG Minyi (436)
Large Banks and Systemic Risk: Insights from a Mean-Field Game Model	CHANG Yuanyuan FIROOZI Dena BENATIA David (460)
Linear Quadratic Mean Field Games with Quantile-Dependent Cost Coefficients	GAO Shuang MALHAMÉ Roland P. (495)