ThA01 Meet	ing Room 1 (1F)/Online	ThA02	Training Room (1F)/Online
Modeling of Stochast Stochastic Processes	tic Systems and	Signal Detection Processing	and Statistical Signal
Chair: Kenji Sugimoto	ara Institute of Science and	Chair: Toshiharu Hatanak	The University of
Co-Chair: Kiyoharu Tagawa	Kindai University	Co-Chair: Masaya Murata	Japan Aerospace Exploration Agency
12:10-12:30	ThA01.1	10.10.10.20	
Student's t-process Regression ability Density Functions	on the Space of Prob-	12:10-12:30 Precise Point Positionin Models by Applying CLA	$\frac{1 \text{ hA02.1}}{\text{ ng Algorithms based on } GR}$
Yusuke Uchiyama	MAZIN Inc.	Models by Applying CLA	
Hiroki Oka	MAZIN Inc.	Katsumasa Miyatake	Mitsubishi Electric Corporation
Ayumu Nono	The University of Tokyo	Kento Suzuki	Ritsumeikan University
12.30-12.50	ThA01.2	Yukihiro Kubo	Ritsumeikan University
Reliability Analysis for Degrad Hierarchical Bayesian Methods	lation Data Based on	Sueo Sugimoto 12:30-12:50	Ritsumeikan University ThA02.2
Toru Kaise	University of Hyogo	Detection and Separation Methods for Transient Sig- nals Applied to Instrumental Sounds	
12:50-13:10	ThA01.3	Yukio Fukayama	Hiroshima Institute of Technology
Second-Order Moment Clos Susceptible-Infected-Susceptible	ures for Networked e Model	12:50-13:10	ThA02.3
Masaki Ogura	Osaka University	GNSS Precise Point Po quency Measurements	sitioning Using Triple Fre-
13:10-13:30	ThA01.4	Hiroki Tomioka	Ritsumeikan University
System Identification with Sta	udent's t-Process Dy-	Kento Suzuki	Ritsumeikan University
Avumu Nono	The University of Tokyo	Yukihiro Kubo	Ritsumeikan University
Yusuke Uchivama	MAZIN Inc.	13:10-13:30	ThA02.4
13:30-13:50	ThA01.5	Corresponding Point L Search	Determination by Bilateral
Equilibrium on Distributed We	lfare Games with Util-	Kohei Okishio	Kobe City College of Technology
ity Functions Based on Egali Contribution	tarian Non-Separable	Yoshiharu Koya	Kobe City College of Technology
Ayumi Makabe	Osaka University	13:30-13:50	ThA02.5
Takayuki Wada Yasumasa Fujisaki	Osaka University Osaka University	Pedestrian Navigation A Filters Using GNSS Rau	Algorithm by Gaussian Sum v Data with Smartphones
i abumaba i ujibaki	osana omversity	Shinya Miyai	Ritsumeikan University
		Naoki Tanaka	Ritsumeikan University

Yukihiro Kubo

Ritsumeikan University

ThB01	ThB02	
Stochastic Optin Evolutionary Me	nization Methods and thods	Mather Chair: Mag
Chair: Kiyotsugu Takaba	Ritsumeikan University National Institute of	Co-Chair:
Co-Chair: Osamu Fukaya	ma Information and Communications Technology	14:05-14:25
14:05-14:25	ThB01.1	Static Hed
A Simple PDE-Constra	ined Optimization Problem to	Tatsuki I
Evaluate the Strategy j	for Fishery Resource Trans-	Jirô Akal
Hidekazu Yoshioka	Shimane University	$\frac{14:25-14:43}{Numerical}$
Tomomi Tanaka	Shimane University	Pairs Trad
Masahiro Horinouchi	Shimane University	Takuga (
Futoshi Aranishi	Shimane University	Kazuhiro
14:25-14:45	ThB01.2	14:45-15:03
Statistical Property of S with Degenerated Gauss	Solutions of Gradient System sian Noise Input	Generaliza ferential E
Satoru Iwasaki	Osaka University	, Yuma Ta
Toshiharu Hatanaka	The University of Fukuchiyama	15:05-15:25
14:45-15:05	ThB01.3	Numerical
A Support Vector Macha	ine based Approach to Chance	ing a Stock
Constrained Problems 1	Using Huge Data Sets	Tsubasa
Kiyoharu Tagawa	Kindai University	Kazuhiro
15:05-15:25	ThB01.4	
An Asynchronous Heur	ristic Algorithm for General-	
ized Mutual Assignment	t Problem: Gossip-Based Ap-	
proach		
Yuki Amemiya	Nara Institute of Science and Technology	
Kenta Hanada	Nara Institute of Science and Technology	
	Nara Institute of Science and	

Technology

Kenji Sugimoto

Training Room (1F)/Online matical Finance saki Ogura Osaka University University of Hyogo Toru Kaise ThB02.1 5lge of Levy Timing Risk Hashimoto Ritsumeikan University hori Ritsumeikan University ThB02.25Experiments of Dynamic Cointegrated ding with Mean-Variance Criterion Oh Hosei University o Yasuda Hosei University ThB02.35ntion of Symmetrization of Stochastic Dif-Equations to  $C^2$ -boundary amura Ritsumeikan University ThB02.4 5Comparisons of Optimal Timing for Sellk under Complete/Incomplete Information

Tsubasa Ito	Hosei University
Kazuhiro Yasuda	Hosei University

ThP01	Meeting Room 1 (1F)/Online
Special Lecture	
Chair: Yasumasa Fujisaki	Osaka University
Co-Chair: Takayuki Wada	Osaka University

15:40-16:40ThP01.1Stochastic Approaches Towards Distributed Algo-<br/>rithmsHideaki IshiiTokyo Institute of Technology

FrC01	Meeting Room 1 $(1F)/Online$	FrC02	Training Room (1F)/Online
Analysis of Sto Stochastic Proce	ochastic Systems and esses	Applications Rela cesses	ted to Stochastic Pro-
Chair: Satoshi Satoh	Osaka University	Chair: Yukihiro Kubo	Ritsumeikan University
Co-Chair: Satoru Iwasal	ki Osaka University	Co-Chair: Kenta Hanada	Nara Institute of Science and Technology
09:20-09:40	FrC01.1	09:20-09:40	FrC02.1
On the Stability Analy. Model under Subclinice	sis of the Stochastic Infectious al Infections	Visualizing Dynamic D loidal Nanosheet from Dimensional Warning	eformation Motion of Col- CLSM Images Using Two-
Masaaki Isnikawa	Yamaguchi Gakugei University	Xie Zhenvu	Fukuoka Institute of Technology
$\frac{09:40-10:00}{C}$	$\frac{\text{FrC01.2}}{1}$	Hiroyuki Fujioka	Fukuoka Institute of Technology
Survey for Double Bari tic Differential Equation	rier Backward Doubly Stochas-	Nobuyoshi Miyamoto	Fukuoka Institute of Technology
	Mitsubishi UFJ Trust and Banking	Shinya Anraku	Fukuoka Institute of Technology
Tadashi Hayashi	Corporation	Akinori Hidaka	Tokyo Denki University
10:00-10:20	FrC01.3	Hiroyuki Kano	Tokyo Denki University
Stochastic Analysis of Motion	Discrete Hyperbolic Brownian	09:40-10:00	FrC02.2
Jiro Akahori	Ritsumeikan University	Convolutional Neural N	Network Based on Temporal
Reina Hashimoto	Ritsumeikan University	Pose Features for Surgic	cal Procedure Recognition
10:20-10:40	FrC01.4	Shota Kishi	Tokyo Denki University
Performance of Cont	trollers Based on Optimally	Nozomu Suzuki	Tokyo Denki University
Controlled Stationary	States for Nonlinear Stochas-	Shota Tsuyuki	Tokyo Denki University
tic Systems		Takio Kurita	Hiroshima University
Masahiko Tamai	Toshiba Lightech Co. Ltd.	Fujio Miyawaki	Tokyo Denki University
Hiroyuki Asahara	Okayama University of Science	Akinori Hidaka	Tokyo Denki University
Hirokazu Ohtagaki	Okayama University of Science	10:00-10:20	FrC02.3
10:40-11:00 Introduction to Nash T	FrC01.5 Fracking with Preview by State	Noise Reduction of SEI SSIM Loss Function	M Images Using U-net with
Feedback for Linear De	$iscrete$ - $Time Systems^{\dagger}$	Koshiro Nagano	
Gou Nakura	No affiliation	Yoshinaru Mukouyama	Osaka Research Institute of
		Takashi Nishimura	Industrial Science and Technology
		Hiroyuki Fujioka	Fukuoka Institute of Technology
		Kenji Watanabe	Industrial Science and Technology
		Takio Kurita	Hiroshima University
		Akinori Hidaka	Tokyo Denki University
		10:20-10:40	FrC02.4
		Properties of Estimated Models for Event Related Po- tential Evoked by Attentional Task	
		Kunihiko Oura	Kokushikan University
		Kanako Mikami	Kokushikan University
		10:40-11:00	FrC02.5
		Decoding Sensory Respo Using a Gaussian-Proce	nses in a Rat Brain Cortex ss Regression Filter
		Osamu Fukayama	NICT & Osaka Univ.
		Keisuke Take	Osaka Univ.
<sup>†</sup> The title has been me (Oct. $30, 2020$ ).	odified based on the author's request	Takafumi Suzuki	NICT & Osaka Univ.

FrD01	Meeting Room 1 (1F)/Online	FrD02	Training Room (1F)/Online
Filtering and Con tems and Stochas	trol of Stochastic Sys- tic Processes	Applications Relate tems	ed to Stochastic Sys-
Chair: Kazuyoshi Hatada	Fukuoka University	Chair: Jiro Akahori	Ritsumeikan University
Co-Chair: Takayuki Wada	Osaka University	Co-Chair: Hiroyuki Fujioka	Fukuoka Institute of Technology
11:15-11:35	FrD01.1	11:15-11:35	FrD02.1
Constrained RLS Identif Model Parameters of Lin Byuta Utsunomiya	ication of Equivalent Circuit thium-Ion Battery Bitsumeikan University	Control System with Anti- Water Level Control of F Flash Desalination System	Windup Compensation for 'lash Chamber in a Spray e via Stochastic Processes
Lei Lin	Ritsumeikan University	Yoshitaka Matsuda	Saga University
Kivotsugu Takaba	Ritsumeikan University	Ryoichi Sakai	Saga University
Masahiro Fukui	Ritsumeikan University	Takenao Sugi	Saga University
11.95 11.55	E-D01 9	Satoru Goto	Saga University
$\frac{11:50-11:50}{An \ Improvement \ of \ At}$	titude Estimation based on	Takeshi Yasunaga	Saga University
Stochastic Kinematics N	Nodeling on $SO(3)$	Yasuyuki Ikegami	Saga University
Satoshi Satoh	Osaka University	11:35-11:55	FrD02.2
Katsuhiko Yamada	Osaka University	Three Degree-of-freedom	Stochastic Modeling of
11:55-12:15	FrD01.3	Human-bicycle Balance Fl	uctuations
On a New Low-Rank H	Kalman-Bucy Filter and Its	Mikinori Ito	Utsunomiya University
Convergence Property	0	Hayate Kaido	Utsunomiya University
Shuto Yamada	Kyoto University	Yoshikazu Yamanaka	Utsunomiya University
Kentaro Ohki	Kyoto University	Katsutoshi Yoshida	Utsunomiya University
12:15-12:35	FrD01.4	11:55-12:15	FrD02.3
Ensemble Kalman Filter dicted State Probability	r Using Gaussian-Sum Pre- Density Functions	Modeling of Articulator Function by Reflection Coe	Using Vocal Tract Area Efficients of Burg's Method
Magana Munata	Japan Aerospace Exploration	Hiroya Nagayama	Tokyo Denki University
Masaya Murata	Agency	Keisuke Nogi	Tokyo Denki University
Isao Kawano	Japan Aerospace Exploration Agency	Shogo Saito	Tokyo Denki University
Koichi Inoue	Japan Aerospace Exploration Agency	Izumi Hanazaki	Tokyo Denki University
12:35-12:55	FrD01.5	12:15-12:35	FrD02.4
Introduction to Nash Tra Feedback for Linear Disc	acking with Preview by State crete-Time Markovian Jump	Sampled-data Suboptimal Lossy Networks	State Estimation over
$Systems^{\intercal}$		Kenji Sugimoto	Nara Institute of Science and Technology
Gou Nakura	No affiliation	Masaki Ogura	Osaka University
		Kenta Hanada	Nara Institute of Science and Technology
		Toshitaka Aihara	Nara Institute of Science and Technology
		12:35-12:55	FrD02.5
		Inter-Clique Influence Net	works
		Emerico Aguilar	Osaka University
		Yasumasa Fujisaki	Osaka University

 $<sup>^{\</sup>dagger}$ The title has been modified based on the author's request (Oct. 30, 2020).