AAA1-17 Accepted Papers

Main Technical Track

18: Axiomatic Characterization of Game-Theoretic Network Centralities
Oskar Skibski, Tomasz Michalak and Talal Rahwan

Xin Liu, Junchi Yan, Shuai Xiao, Xiangfeng Wang, Hongyuan Zha and Stephen Chu

23: Algorithms for Max-Min Share Fair Allocation of Indivisible Chores
Haris Aziz, Gerhard Rauchecker, Guido Schryen and Toby Walsh

24: Complexity of Manipulating Sequential Allocation
Haris Aziz, Sylvain Bouveret, Jérôme Lang and Simon Mackenzie

25: Unsupervised Learning for Lexicon-Based Classification
Jacob Eisenstein

38: Universum Prescription: Regularization using Unlabeled Data
Xiang Zhang and Yann Lecun

43: Unsupervised deep learning for optical flow estimation
Zhe Ren, Junchi Yan, Bingbing Ni, Bin Liu, Xiaokang Yang and Hongyuan Zha

51: Multiple Kernel k-means with Incomplete Kernels
Xinwang Liu, Miaomiao Li, Lei Wang, Yong Dou, Jianping Yin and En Zhu

60: A Multiview-based Parameter Free Framework for Group Detection
Xuelong Li, Mulin Chen, Feiping Nie and Qi Wang

61: Quantifying and Detecting Collective Motion by Manifold Learning
Xuelong Li, Mulin Chen and Qi Wang

67: Regularized Diffusion Process for Visual Retrieval
Song Bai, Xiang Bai, Qi Tian and Longin Jan Latecki

72: SSP: Semantic Space Projection for Knowledge Graph Embedding with Text Descriptions
Han Xiao, Minlie Huang and Xiaoyan Zhu

82: Incremental Growth of Semantic Branches on CNNs via Multi-Shot Learning
Quanshi Zhang, Ruiming Cao, Ying Nian Wu and Song-Chun Zhu
101: Solving constrained combinatorial optimisation problems via MAP inference without high-order penalties
Zhen Zhang, Qinfeng Shi, Julian McAuley, Wei Wei, Yanning Zhang, Rui Yao and Anton Van Den Hengel

107: Deterministic vs Probabilistic Methods for Searching for an Evasive Target
Sara Bernardini, Maria Fox, Derek Long and Chiara Piacentini

108: Boosting Complementary Hash Tables for Fast Nearest Neighbor Search
Xianglong Liu, Cheng Deng, Yadong Mu and Zhujin Li

111: Weakly Supervised Learning of Part Selection Model with Spatial Constraints for Fine-grained Image Classification
Xiangteng He and Yuxin Peng

114: Collective Deep Quantization for Efficient Cross-Modal Retrieval
Yue Cao, Mingsheng Long, Jianmin Wang and Shichen Liu

124: Informative Subspace Learning for Counterfactual Inference
Yale Chang and Jennifer Dy

130: Closing the Loop for Object Proposals and Edge Detection
Yao Lu and Linda Shapiro

131: Community-based Question Answering via Asymmetric Multi-Faceted Ranking Network Learning
Zhou Zhao, Hanqing Lu, Vincent W. Zheng, Deng Cai, Xiaofei He and Yueting Zhuang

134: Capturing Dependencies among Labels and Features for Multiple Emotion Tagging of Multimedia Data
Shan Wu, Shangfei Wang and Qiang Ji

138: On Learning High Dimensional Structured Single Index Models
Ravi Ganti, Nikhil Rao, Laura Balzano, Rebecca Willett and Robert Nowak

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Snigdha Chaturvedi, Mohit Iyyer and Hal Daume III

160: The Opacity of Backbones
Lane A. Hemaspaandra and David Narváez

165: Online Multi-target Tracking using Recurrent Neural Networks
Anton Milan, Hamid Rezatofighi, Anthony Dick, Konrad Schindler and Ian Reid
172: Unsupervised Large Graph Embedding
Feiping Nie, Wei Zhu and Xuelong Li

174: Infinite Kernel Learning: Generalization Bounds and Algorithms
Yong Liu

175: Generalization Analysis for Ranking Using Integral Operator
Yong Liu

179: Learning Invariant Deep Representation for NIR-VIS Face Recognition
Ran He, Xiang Wu, Zhenan Sun and Tieniu Tan

180: Exploring Commonality and Individuality for Multi-modal Curriculum Learning
Chen Gong

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Yuchen Guo, Guiguang Ding, Jungong Han and Yue Gao

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Li Shen, Wei Liu, Junzhou Huang, Yugang Jiang and Shiqian Ma

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Saeedeh Shekarpour, Edgard Marx, Sören Auer and Amit Sheth

194: Data-driven approximations to NP-hard problems
Anton Milan, Seyed Hamid Rezatofighi, Ravi Garg, Anthony Dick and Ian Reid

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Sarah Erfani, Mahsa Baktashmotlag, Masud Moshtaghi, Vinh Nguyen, Christopher Leckie, James Bailey and Kotagiri Ramamohanarao

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Ethan Fast and Eric Horvitz

218: Detection and Recognition of Text Embedded in Online Images via Neural Context Models
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Siyi Li and Dit-Yan Yeung

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Yuanlu Xu, Xiaobai Liu, Lei Qin and Song-Chun Zhu

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2893: An improved algorithm for learning to perform exception-tolerant abduction
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3005: Solving Indefinite Kernel Support Vector Machine with Difference of Convex Functions Programming
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3357: Grid Pathfinding on the $2^k$ Neighborhoods
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514: Reactive Versus Anticipative Decision Making in a Novel Gift-Giving Game
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937: Inductive Reasoning about Ontologies Using Conceptual Spaces
Zied Bouraoui, Shoaib Jameel and Steven Schockaert

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Souhaib Ben Taieb, Jiafan Yu, Mateus Neves Barreto and Ram Rajagopal

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Andre Ricardo Goncalves, Arindam Banerjee and Fernando J. Von Zuben

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Jiaxuan You, Xiaocheng Li, Melvin Low, David Lobell and Stefano Ermon

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Thuy Vu and D. Stott Parker
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Peng Dai, Femida Gwadry-Sridhar, Michael Bauer, Michael Borrie and Xue Teng

1485: State Projection via AI Planning
Shirin Sohrabi, Anton Riabov and Octavian Udrea

1569: Mixed Discrete-Continuous Planning with Convex Optimization
Enrique Fernandez Gonzalez, Erez Karpas and Brian Williams

1688: Integration of Planning with Recognition for Responsive Interaction Using Classical Planners
Richard Freedman and Shlomo Zilberstein

2028: Configuration Planning with Temporal Constraints
Uwe Köckemann and Lars Karlsson

2818: Leveraging Language to Improve Object Recognition
Sz-Rung Shiang, Stephanie Rosenthal, Anatole Gershman, Jaime Carbonell and Jean Oh

2835: Learning to Predict Intent from Gaze During Robotic Hand-Eye Coordination Tasks
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3119: Building Task-Oriented Dialogue Systems for Online Shopping
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2126: From Semantic Models to Cognitive Buildings
Joern Ploennigs and Anika Schumann

2178: Sarcasm Suite: A browser-based engine for sarcasm detection and generation
Aditya Joshi, Diptesh Kanojia, Pushpak Bhattacharyya and Mark Carman

2902: Event Reconstruction Tool for Conflict Monitoring in Social Media
Junwei Liang, Desai Fan, Han Lu, Poyao Huang, Jia Chen, Lu Jiang and Alexander Hauptmann

2947: Webly-Supervised Learning of Multimodal Video Detector
Junwei Liang, Lu Jiang and Alexander Hauptmann

3115: An Autonomous Agent to play First-Person Shooter Games
Devendra Singh Chaplot and Guillaume Lample

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Tanveer Syeda-Mahmood, Deepika Kakrania, Tyler Baldwin and Yufan Guo

3375: Visual MemoryQA: your personal photo and video search agent
Lu Jiang, Liangliang Cao, Yannis Kalantidis, Sachin Sudhakar Farfade and Alex Hauptmann

3376: A Virtual Personal Fashion Consultant: Learning from The Personal Preference of Fashion
Jingtian Fu, Yejun Liu, Jia Jia, Yihui Ma, Fanhang Meng and Huan Huang

3377: Integrating Verbal/Nonverbal Input into a Dynamic Response Spoken Dialogue System

3378: Towards Musical Dialogue
Mason Bretan, Sageev Oore, Jesse Engel, Doug Eck and Larry Heck

3381: SenseRun: Real-time Running Routes Recommendation Towards Providing Pleasant Running Experiences
Jiayu Long, Jia Jia and Han Xu

3389: Natural Language Dialogue for Building and Learning Models and Structures
Ian Perera, James Allen, Lucian Galescu, Choh Man Teng, Mark Burstein, David McDonald, Jeffrey Rye and Scott Friedman

Senior Member Track Papers

3394: Latent Tree Analysis
Nevin L. Zhang and Leonard K. M. Poon

3403: Explaining Ourselves: Human-Aware Constraint Reasoning
Eugene Freuder
Blue Sky
3415: Moral Decision Making Frameworks for Artificial Intelligence
Vincent Conitzer, Walter Sinnott-Armstrong, Jana Schaich Borg, Yuan Deng and Max Kramer

Blue Sky
3417: The AI Rebellion: Changing the Narrative
David Aha and Alexandra Coman

Blue Sky
3427: Why Teaching Ethics to AI Practitioners is Important
Judy Goldsmith and Emanuelle Burton

3430: Progress and Challenges in Research on Cognitive Architectures
Pat Langley

3432: Incidental Supervision: Moving beyond Supervised Learning
Dan Roth

3435: Multi-robot Allocation of Tasks with Temporal and Ordering Constraints
Maria Gini

3436: Machine Learning for Entity Coreference Resolution
Vincent Ng

Blue Sky
Gilles Pesant

3441: Survey and Synthesis of AI Research for Computational Sustainability
Douglas Fisher

Blue Sky
3443: Strategic Social Network Analysis
Tomasz Michalak, Talal Rahwan and Michael Wooldridge

What’s Hot Papers (partial)

3557: What's Hot in Constraint
Laurent Michel and Michel Rueher

Student Abstracts
188: A Systematic Practice of Judging the Success of a Robotic Grasp Using Convolutional Neural Network
Pengcheng Ai

3449: Community-based Question Answering via Contextual Ranking Metric Network Learning
Hanqing Lu and Ming Kong

3459: Rethink the Link Prediction Problem in Signed Social Networks
Xiaoming Li, Hui Fang and Jie Zhang

3464: Classifier Risk Estimation under Limited Labeling Resources
Anurag Kumar and Bhiksha Raj

3467: Fast Electrical Demand Optimization under Real-time Pricing
Shan He, Mark Wallace, Campbell Wilson and Ariel Liebman

3474: Attention-based LSTM for Target-dependent Sentiment Classification
Min Yang

3489: Coordinating Human and Agent Behavior in Collective-Risk Scenarios
Elias Fernández Domingos, Juan Carlos Burguillo, Ann Nowé and Tom Lenaerts

3491: Cross-Domain Sentiment Classification via Topic-Related TrAdaBoost
Xingchang Huang, Yanghui Rao, Haoran Xie, Tak-Lam Wong and Fu Lee Wang

3496: Towards User Personality Profiling from Multiple Social Media
Kseniya Buraya, Aleksandr Farseev, Andrey Filchenkov and Tat-Seng Chua

3502: Hybridizing Interval Temporal Logics: The First Step
Przemysław Andrzej Wałęga

3510: Improving Greedy Best-First Search by Removing Unintended Search Bias
Masataro Asai and Alex Fukunaga

3511: Predicting User Roles from Computer Logs using Recurrent Neural Networks
Aaron Tuor, Sam Kaplan, Brian Hutchinson, Nicole Nichols and Sean Robinson

3521: The Complexity of Succinct Elections
Zack Fitzsimmons and Edith Hemaspaandra

3523: Discovering Conversational Dependencies between Messages in Dialogs
Wenchao Du, Pascal Poupart and Wei Xu
3533: A Privacy Mechanism for Predictors
Ke Xu, Swair Shah, Tongyi Cao, Crystal Maung and Haim Schweitzer

3537: Robust and Efficient Transfer Learning with Hidden Parameter Markov Decision Processes
Taylor Killian, George Konidaris and Finale Doshi-Velez

3538: Natural Language Person Retrieval
Tao Zhou and Jie Yu

3540: Predicting ICU Mortality via Learning about Hazard
Dae Hyun Lee and Eric Horvitz

3547: PAG2ADMG: A Novel Methodology to Enumerate Causal Graph Structures
Nishant Subramani and Doug Downey

2300: A Computational Assessment Model for the Adaptive Level of Rehabilitation Exergames for the Elderly
Hao Zhang

3042: SReN: Shape Regression Network for Comic Storyboard Extraction
Zheqi He, Yafeng Zhou, Yongtao Wang and Zhi Tang

3295: Second Order Boosted Online Regression Algorithms
Dariush Kari

3396: ATSUM: Extracting Attractive Summaries for News Propagation on Microblogs
Fang Liu

3409: Chaotic time series prediction using a photonic reservoir computer with output feedback
Piotr Antonik

3410: Improving performance of analogue readout layers for photonic reservoir computers with online learning
Piotr Antonik

3446: A Position-Biased PageRank Algorithm for Keyphrase Extraction
Corina Florescu

3450: Evolutionary Machine Learning for RTS Game StarCraft
Lianlong Wu

3451: Redesigning Stochastic Environments For Maximized Utility
Sarah Keren
3453: Neuron Learning Machine for Representation Learning
Jia Liu

3454: Semantic Connection based Topic Evolution
Jiamiao Wang

3456: An Advising Framework for Multiagent Reinforcement Learning Systems
Felipe Leno Da Silva, Ruben Glatt and Anna Helena Reali Costa

3457: High-Resolution Mobile Fingerprint Matching via Deep Joint KNN-Triplet Embedding
Fandong Zhang and Jufu Feng

3458: Semantic Interpretation of Social Network Communities
Aishwarya N Reganti

3460: Plan Recognition Design
Reuth Mirsky, Roni Stern, Kobi Gal and Meir Kalech

3462: Wikitop: Using Wikipedia Category Network to Generate Topic Trees
Saravana Kumar, Prasath Rengarajan and Arockia Xavier Annie

3465: Semantic Representation using Explicit Concept Space Models
Walid Shalaby and Wlodek Zadrozny

3469: Dominated Action Sequence Pruning for Online Black-box Planning
Yuu Jinnai and Alex Fukunaga

3470: User Modeling Using LSTM Networks
Konrad Żołna and Bartłomiej Romański

3472: Audio feature learning with triplet-based embedding network
Xiaoyu Qi, Deshun Yang and Xiaoou Chen

3476: Authorship Attribution with Topic Drift Model
Min Yang

3477: Detecting Review Spammer Groups
Min Yang

3478: Keyphrase Extraction with Sequential Pattern Mining
Qingren Wang, Victor Sheng and Xindong Wu

3479: Extreme Gradient Boosting and Behavioral Biometrics
Benjamin Manning
3482: Semantic Inference of Bird Songs Using Dynamic Bayesian Networks
Keisuke Daimon, Richard Hedley and Charles Taylor

3484: Preference Elicitation in DCOPs for Scheduling Devices in Smart Buildings
Atena M Tabakhi

3487: Extracting Highly Effective Features for Supervised Learning via Simultaneous Tensor Factorization
Sunny Verma, Wei Liu, Chen Wang and Liming Zhu

3495: SEAPoT-RL: Selective Exploration Algorithm for Policy Transfer in RL
Akshay Narayan, Zhuoru Li and Tze-Yun Leong

3497: Multimodal fusion of EEG and musical features in music-emotion recognition
Nattapong Thammasan, Ken-Ichi Fukui and Masayuki Numao

3498: A Sampling based Approach for Proactive Project Scheduling with Time-dependent Duration Uncertainty
Wen Song, Donghun Kang, Jie Zhang and Hui Xi

3499: Automatic Extraction of Axioms for Planning
Shuwa Miura and Alex Fukunaga

3501: Frame-based ontology alignment
Luigi Asprino, Valentina Presutti, Aldo Gangemi and Paolo Ciancarini

3503: Auto-Annotation of 3D Objects via ImageNet
Luo Huan, Wang Cheng and Li Jonathan

3512: Policy Reuse in Deep Reinforcement Learning
Ruben Glatt and Anna Helena Reali Costa

3513: Learning Options in Multiobjective Reinforcement Learning
Rodrigo Cesar Bonini, Felipe Leno Silva and Anna Helena Reali Costa

3514: A Finite Memory Automaton for Two-Armed Bernoulli Bandit Problems
Ariel Rao

3515: Cycle-Based Singleton Local Consistencies
Robert Woodward, Berthe Y. Choueiry and Christian Bessiere

3517: Predicting Demographics of High-Resolution Geographies with Geotagged Tweets
Omar Montasser and Daniel Kifer
3518: Handwriting Profiling using Generative Adversarial Networks
Arna Ghosh, Biswarup Bhattacharya and Somnath Basu Roy Chowdhury

3522: Boosting for Real-time Multivariate Time Series Stream Classification
Haishuai Wang

3524: Bootstrapping with Models: Confidence Intervals for Off-Policy Evaluation
Josiah Hanna, Peter Stone and Scott Niekum

3525: Grounded Action Transformation for Robot Learning in Simulation
Josiah Hanna and Peter Stone

3528: Coalition Structure Generation Utilizing Graphical Representation of Partition Function Games
Kazuki Nomoto, Yuko Sakurai and Makoto Yokoo

3529: Participatory Art Museum: Collecting and Modeling Crowd Opinions
Xiaoyu Zeng and Ruohan Zhang

3531: Android Malware Detection with Weak Ground Truth Data
Jordan Deloach, Doina Caragea and Xinming Ou

3542: Kernelized Evolutionary Distance Metric Learning for Semi-supervised Clustering
Wasin Kalintha, Satoshi Ono, Masayuki Numao and Ken-Ichi Fukui

3546: Robust Stable Marriage
Begum Genc, Barry O'Sullivan, Mohamed Siala and Gilles Simonin

3551: A Deep Learning Approach for Arabic Caption Generation using Roots-Words
Vasu Jindal

Doctoral Consortium Abstracts

68: Modelling Familiarity for Intelligent Personalized Social Mobilization
Zhengxiang Pan

3395: Problems in Large-scale Image Classification
Yuchen Guo

3400: An Evolutionary Algorithm Based Framework for Task Allocation in Multi-Robot Teams
Muhammad Usman Arif
3401: Improving Deep Reinforcement Learning with knowledge transfer
Ruben Glatt

3402: Structured Prediction in Time Series Data
Jia Li

3404: Project Scheduling in Complex Business Environments
Wen Song

3408: Representations for Continuous Learning
David Isele

3412: Joint Learning of Structural and Textual Features for Web Scale Event Extraction
Julia Wiedmann

3414: Problem Formulation for Accommodation Support in Plan-based Interactive Narratives
Adam Amos-Binks

3418: V for Verification: Intelligent Algorithm of Checking Reliability of Smart Systems
Anna Lukina

3420: Accelerating Multiagent Reinforcement Learning through Transfer Learning
Felipe Leno Da Silva

3423: Explainable Image Understanding using Vision and Reasoning
Somak Aditya

3425: Human-like Spatial Reasoning Formalisms
Przemysław Andrzej Wałęga

3434: Transfer of Knowledge through Collective Learning
Mohammad Rostami

3438: A Sparse Dictionary Learning Framework to Discover Discriminative Source Activations in EEG Brain Mapping
Feng Liu

3445: Scalable Nonparametric Tensor Analysis
Shandian Zhe

Innovative Applications of Artificial Intelligence Papers

Challenge
37: Automated Data Cleansing through Meta Learning
Ian Gemp, Georgios Theocharous and Mohammad Ghavamzadeh

55: Explainable Agency for Intelligent Autonomous Systems
Ben Meadows, Pat Langley and Mike Barley

Deployed Papers

3: Large-scale Occupational Skills Normalization for Online Recruitment
Faizan Javed, Phuong Hoang, Thomas Mahoney and Matt McNair

32: Phase Mapper: An AI Platform to Accelerate High Throughput Materials Discovery
Yexiang Xue, Junwen Bai, Ronan Le Bras, Brendan Rappazzo, Richard Bernstein, Johan BJORCK,
Liane Longpre, Santosh Suram, R Bruce van Dover, John Gregoire and Carla Gomes

Emerging Papers

1: Crowdsensing Air Quality with Camera-enabled Mobile Devices
Zhengxiang Pan and Han Yu

2: Burst Prediction in Water Networks Using Dynamic Metrics
Gollakota Kaushik, Abinaya Manimaran, Arunchandar Vasan, Venkatesh Sarangan and Anand
Sivasubramaniam

4: Optimal sequential drilling for hydrocarbon field development planning
Ruben Rodriguez Torrado, Jesus Rios and Gerald Tesauro

10: Computing Safer Driving Routes
John Krumm and Eric Horvitz

11: Using Deep and Convolutional Neural Networks for Accurate Emotion Classification on DEAP
dataset.
Samarth Tripathi, Ranti D. Sharma, Sudhanshu Mittal, Samit Bhattacharya and Shrinivas Acharya

14: Constraint-Based Verification of a Mobile App Game Designed for Nudging People to Attend
Cancer Screening
Arnaud Gotlieb, Marine Louarn, Mari Nygard, Tomas Ruiz-López and Sagar Sen

20: Calories Prediction from Food Images
Manal Chokr and Shady Elbassuoni

Philip Thomas, Mohammad Ghavamzadeh, Georgios Theocharous and Ishan Durugkar
23: Predicting Fuel Consumption and Flight Delays for Low-cost Airlines
Yuji Horiguchi, Yukino Baba, Hisashi Kashima, Masahito Suzuki, Hiroki Kayahara and Jun Maeno

24: Real-time Indoor Localization in Smart Homes using Semi-Supervised Learning
Negar Ghourchian, Michel Allegue and Doina Precup

28: UbuntuWorld 1.0 LTS - A Platform for Automated Problem Solving & Troubleshooting in the Ubuntu OS
Tathagata Chakraborti, Kartik Talamadupula, Kshitij Fadnis, Murray Campbell and Subbarao Kambhampati

30: On Designing a Social Coach to Promote Regular Aerobic Exercise
Shiwal Mohan, Anusha Venkatakrishnan, Michael Silva and Peter Pirolli

35: Dynamic Tracking and Relative Ranking of Airport Threats from News and Social Media
Rupinder Paul Khandpur, Taoran Ji, Yue Ning, Liang Zhao, Chang-Tien Lu, Erik Smith, Christopher Adams and Naren Ramakrishnan

43: Designing Better Playlists with Monte Carlo Tree Search
Elad Liebman, Piyush Khandelwal, Maytal Saar-Tsechansky and Peter Stone

Rabah Al-Zaidy and C. Lee Giles

50: A Logic Based Approach to Answering Questions about Alternatives in DIY Domains
Yi Wang, Joohyung Lee and Doo Soon Kim

60: ParkUs: A Novel Vehicle Parking Detection System
Pietro Carnelli, Joy Yeh, Mahesh Sooriyabandara and Aftab Khan

Educational Advances in Artificial Intelligence

Main Track

16: EAAI-Recovering Concept Prerequisite Relations from University Course Dependencies
Chen Liang, Jianbo Ye, Zhaohui Wu and C. Lee Giles

1: EAAI-Al Projects for Computer Science Capstone Classes (Extended Abstract)
Sakire Arslan Ay and Matthew E. Taylor

2: EAAI-Online SPARC for Drawing and Animation
Elias Marcopulos, Maede Rayatidamavandi, Crisel Suarez and Yuanlin Zhang

*Model AI Assignments*

3: An Introduction to Monte Carlo Techniques in AI - Part II
Todd Neller

5: Implementing a Hidden Markov Model Toolkit
Sravana Reddy

7: Visual Servoing
Ariel Anders and Sertac Karaman

8: Git Planner
Joshua Eckroth

9: Organic Pathfinding
Joshua Eckroth

11: An Introduction to Behavior-Based Robotics
Joshua Ziegler, Jason Bindewald and Gilbert Peterson

17: Machine Learning for Everyone: Introduction to Classification and Clustering
Thomas Way, Paula Matuszek, Lillian Cassel, Mary-Angela Papalaskari and Carol Weiss

19: Application for AI-OCR Module: Auto Detection of Emails/Letter Images
Sheila Tejada, Bingjie Zhou, Kelsey Fargas and Elizabeth Staruk

*Special Paper Track: Providing Research Experiences for Undergraduate Students (REU)*

15: A Summer Research Experience in Robotics
Cindy Grimm, Alicia Lyman-Holt and William Smart

*Special Paper Track: AI for Education and Outreach*

20: ARTY: Fueling Creativity through Art, Robotics and Technology for Youth
Debra Burhans and Karthik Dantu

21: Exploring Artificial Intelligence Through Image Recognition
Sheila Tejada, Kelsey Fargas, Bingjie Zhou and Elizabeth Staruk

*EAAI-17 NSG Challenge: Widely-Accessible AI Robotics Tasks*

6: Dude, Where's My Robot?
Paul Ruvolo

10: Open-Ended Robotics Exploration Projects for Budding Researchers
David Musicant, Tom Choi and Abha Laddha

12: Cornhole: A Widely-Accessible AI Robotics Task
Nate Derbinsky and Tyler Frasca

13: Creating Serious Robots That Improve Society
Susan Imberman, Jean McManus and Gina Otts

14: Monte Carlo Localization Assignment using ROS and Raspberry Pi
Zuozhi Yang and Todd Neller

22: An Image Wherever You Look! Making vision just another sensor for AI/Robotics projects
Andy Zhang, John Lee, Ciante Jones and Zachary Dodds