Opening Social

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BEST PRESENTATION AWARDS
(AMAZON GIFT CARD)

1ST AWARD: $200
2ND AWARD: $150
3RD AWARD: $100

10TH ANNUAL
COMPUTER SCIENCE
RESEARCH WORKSHOP

1 April 2022
PKI 158
EVENT SCHEDULE

MORNING SESSION

9:30  Opening Social

9:45  Deep Learning-based Image Watermarking with Transform Invariant Representation Learning
      Student: Arjon Das
      Advisors: Dr. Xin Zhong

10:05 Using Deep Neural Network and Transformers to Extract Graphene Compounds and Properties
       Student: Ayman Ibn Jaman
       Advisor: Dr. Parvathi Chundi

10:25 Building Interpretable Methods For Identifying Bridge Maintenance Patterns
       Student: Akshay Kale
       Advisors: Dr. Brian Ricks, Dr. Robin Gandhi

10:45 Artificial-Intelligence-based Approaches for Estimating Irregular Walking Surface with Wearable Sensor
       Student: Ru Ng
       Advisors: Dr. Jong-Hoon Youn, Dr. Xin Zhong, Dr. Yunwoo Nam

PROGRAMMING LANGUAGES

11:05 Alternative Semantics for Conditional Literals
       Student: Zach Hansen
       Advisor: Dr. Yuliya Lierler

11:25 Evaluation of System iExplain
       Student: Joel Sare
       Advisor: Dr. Yuliya Lierler

LUNCH BREAK

11:45 Pizza Lunch

AFTERNOON SESSION

INTELLIGENT NETWORK SYSTEMS

12:20 Workload Prediction with Cost-aware Data Analytics System
       Student: Anshuman Das Mohapatra
       Advisor: Dr. Kwangsung Oh

12:40 New Approaches to Convex Polygon Formations
       Student: Rui Yang
       Advisor: Dr. Azad Azadmanesh

SOFTWARE ENGINEERING

1:00 Automated Program Repair for API Misuse Vulnerabilities
       Student: Dip Kiran Pradhan Newar
       Advisor: Dr. Myoungkyu Song, Dr. Harvey Siy, Dr. Rui Zhao

VIRTUALIZATION, SIMULATION

1:20 Interactive Visualizations for Explanation in AI
       Student: Al Ashley Ramsey
       Advisor: Dr. Brian Ricks

1:40 Prediction of Balance Control and Instability in Walking at Sea
       Student: Jungyeon Choi
       Advisor: Dr. Jong-Hoon Youn

2:00 Closing Social

Presentation time: 20 minutes (15 Talk + 5 Q/A)