<table>
<thead>
<tr>
<th>TIME</th>
<th>VIRTUAL ROOM-1</th>
<th>VIRTUAL ROOM-2</th>
<th>BTK SMALL CONFERENCE ROOM GROUND FLOOR &amp; VIRTUAL ROOM-3</th>
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<tr>
<td>09:30-10:00</td>
<td>Conference Opening</td>
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<tr>
<td>10:00-11:30</td>
<td>Online presentations</td>
<td>Online presentations</td>
<td>Face-to-face/Online presentations</td>
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<tr>
<td><strong>II. INTERNATIONAL INFORMATICS &amp; SOFTWARE ENGINEERING CONFERENCE</strong></td>
<td><strong>17.12.2021 PROGRAM (UBYMK’21)</strong></td>
<td><strong>Zoom Link</strong></td>
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<tr>
<td><strong>VIRTUAL ROOM-1 Zoom Link</strong></td>
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<td><strong>BTK SMALL CONFERENCE ROOM GROUND FLOOR &amp; VIRTUAL ROOM-3 Zoom Link</strong></td>
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<td>Passcode: 025143</td>
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<tr>
<td><strong>TIME</strong></td>
<td><strong>CHAIR: Assoc.Prof.Dr. Meltem Eryılmaz (Co-chair and TBD)</strong></td>
<td><strong>Prof. Dr. Asaf VAROL (Co-chair) / Prof. Dr. Ali YAZICI (Co-chair)</strong></td>
<td><strong>Assoc. Prof. Dr. Meltem Eryılmaz (Co-chair) and TBD</strong></td>
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<tr>
<td><strong>Session-1</strong></td>
<td><strong>AI-MACHINE LEARNING</strong></td>
<td><strong>Session-5</strong></td>
<td><strong>SOFTWARE ENGINEERING</strong></td>
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<tr>
<td><strong>Session-2</strong></td>
<td><strong>AI-MACHINE LEARNING</strong></td>
<td><strong>Session-6</strong></td>
<td><strong>IT</strong></td>
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<tr>
<td><strong>Session-3</strong></td>
<td><strong>CS-IT-SOFTWARE</strong></td>
<td><strong>Session-10</strong></td>
<td><strong>MEDICAL INFORMATICS-AI</strong></td>
</tr>
<tr>
<td><strong>Chair:</strong> Prof. Dr. Emre Olça</td>
<td><strong>Title</strong></td>
<td><strong>Chair:</strong> Dr. Zihuat Kurt</td>
<td><strong>Title</strong></td>
</tr>
<tr>
<td><strong>Chair:</strong> Prof. Dr. Meltem Eryılmaz</td>
<td><strong>Title</strong></td>
<td><strong>Chair:</strong> Prof. Dr. Ali Yazıcı</td>
<td><strong>Title</strong></td>
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<tr>
<td><strong>11:30-11:45</strong></td>
<td>Coffee Break</td>
<td><strong>IT</strong></td>
<td><strong>Session-10</strong></td>
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<td><strong>11:45-13:15</strong></td>
<td>Lunch Break</td>
<td><strong>Session-10</strong></td>
<td><strong>MEDICAL INFORMATICS-AI</strong></td>
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**II. INTERNATIONAL INFORMATICS & SOFTWARE ENGINEERING CONFERENCE**

**17.12.2021 PROGRAM (UBYMK’21)**

**VIRTUAL ROOM-1 Zoom Link**
https://zoom.us/j/93718810141?pwd=S09ZVHlCWmEyMEU4SmVaaVNvdFN3UT09
Passcode: 777665

**VIRTUAL ROOM-2 Zoom Link**
https://zoom.us/j/9416302865?pwd=WGpBUGs4WXgXWjGlLzRzSjAvQ1g1QT09
Passcode: 012231

**BTK SMALL CONFERENCE ROOM GROUND FLOOR & VIRTUAL ROOM-3 Zoom Link**
https://zoom.us/j/9416302865?pwd=WGpBUGs4WXgXWjGlLzRzSjAvQ1g1QT09
Passcode: 025143

**Hotel:**

- **Chair:** Assoc.Prof.Dr. Meltem Eryılmaz (Co-chair and TBD)
- **Prof. Dr. Asaf VAROL (Co-chair) / Prof. Dr. Ali YAZICI (Co-chair)
- **Assoc. Prof. Dr. Meltem Eryılmaz (Co-chair) and TBD**

**Session-1**
**AI-MACHINE LEARNING**

- **Title:**
  - Machine Learning Based Web Application Firewall (57)
  - A Machine Learning Approach to Find Customers For Long Term Deposit Recommendation (47)
  - Fractalional Fourier Transform, Image Encryption Using DWT's (45)
  - Early Detection of Breast Cancer and Classification of Mamography Images Using Machine Learning (18)
  - Digital Currency Price Analysis Via Deep Forecasting Approaches (62)
  - Digital Price Analysis Using Deep Learning Algorithms (42)

**Session-2**
**AI-MACHINE LEARNING**

- **Title:**
  - A Performance Based Study on Deep Learning Algorithms in the Efficient Prediction of Heart Disease (63)
  - Chronic Renal Disease Prediction using Clinical Data and Different Machine Learning Techniques (64)
  - Convolutional Neural Network for Traffic Sign Recognition based on Color Space (72)
  - EPEST - Smart Pest Management: An Augmented Reality-based on Color Space (72)
  - RDF-Based Semantic Condition Monitoring for Autonomous Mobile Robot (59)

**Session-3**
**SOFTWARE ENGINEERING**

- **Title:**
  - Survey on Interface Usability Evaluation for Oil and Gas Critical Control Systems (23)
  - Understanding The Relation Between Systems Usability and End Users' Performance (24)
  - Fractional Fourier Transform, Image Encryption Using Wavelet's (45)
  - Early Detection of Breast Cancer and Classification of Mamography Images Using Machine Learning (18)
  - Digital Currency Price Analysis Via Deep Forecasting Approaches (62)

**Session-4**
**CS-IT-SOFTWARE**

- **Title:**
  - Metis of Turkish Informatics Terms to Deter Online Presentation (76)

**Session-5**
**SOFTWARE ENGINEERING**

- **Title:**
  - Social Commerce Adoption Based LUTA Model for Consumer Behavior: Iraq Small and Medium Enterprise (6)
  - Development of 'SeniorHouse' Application for Online Education (48)
  - A Fuzzy Model to Measure the Maintainability Of Microservice Architectures (61)
  - The model of joint servicing of real time traffic of surveillance cameras and elastic traffic of NB-IoT devices with access control (17)
  - The model of joint servicing of real time traffic of surveillance cameras and elastic traffic of NB-IoT devices with access control (17)

**Session-6**
**IT**

- **Title:**
  - Twitter Streaming Data Analytics for Disaster Alerts (31)
  - A Review of Image Denoising With Deep Learning (33)
  - Analysis and Comparison of Honeypot Activities on Two ISP Networks (64)
  - Data Dissemination through Smart Traffic Lights for Accident Prevention (20)
  - Disease Diagnosis by Nadi Analysis Using Traditional Ayurvedic Methods With Portable Nadi Pariksha Device & Medical Implantation Applications (30)

**Session-7**
**SOFTWARE ENGINEERING**

- **Title:**
  - Meticulous Use of Turkish Informatics Terms to Deter Online Presentation (76)

**Session-8**
**IT**

- **Title:**
  - Social Commerce Adoption Based LUTA Model for Consumer Behavior: Iraq Small and Medium Enterprise (6)
  - Digital Currency Price Analysis Via Deep Forecasting Approaches (62)
  - A Fuzzy Model to Measure the Maintainability Of Microservice Architectures (61)
  - The model of joint servicing of real time traffic of surveillance cameras and elastic traffic of NB-IoT devices with access control (17)
  - The model of joint servicing of real time traffic of surveillance cameras and elastic traffic of NB-IoT devices with access control (17)

**Session-9**
**MEDICAL INFORMATICS-AI**

- **Title:**
  - AutoRFPOWER: Automatic RF Power Measurement Software for Metrological Applications (30)
  - Chronically Renal Disease Prediction using Clinical Data and Different Machine Learning Techniques (64)
  - Convolutional Neural Network for Traffic Sign Recognition based on Color Space (72)
  - EPEST - Smart Pest Management: An Augmented Reality-based on Color Space (72)
  - RDF-Based Semantic Condition Monitoring for Autonomous Mobile Robot (59)

**Session-10**
**MEDICAL INFORMATICS-AI**

- **Title:**
  - A Performance Based Study on Deep Learning Algorithms in the Efficient Prediction of Heart Disease (63)
  - Chronic Renal Disease Prediction using Clinical Data and Different Machine Learning Techniques (64)
  - Convolutional Neural Network for Traffic Sign Recognition based on Color Space (72)
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  - RDF-Based Semantic Condition Monitoring for Autonomous Mobile Robot (59)
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<thead>
<tr>
<th>14:00-15:30</th>
<th>Session-3</th>
<th>AI-DEEP LEARNING</th>
<th>Title</th>
<th>Session-7</th>
<th>BLOCKCHAIN-NETWORK</th>
<th>Title</th>
<th>Session-11</th>
<th>IoT-NETWORK</th>
<th>Title</th>
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<tbody>
<tr>
<td>Chair: Assoc.Prof.Dr. Murat Özbayoğlu</td>
<td>Secure Smart Parking Solution Using Image Processing And Machine Learning (43)</td>
<td>Chair: Prof. Dr. Kayhan ERCİYES</td>
<td>A parallel closed centrality algorithm for complex networks (4)</td>
<td>Chair: Dr. Serkan VAROL</td>
<td>Three-tier Password Security Algorithm for Online Databases (74)</td>
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<tr>
<td>Dr. Ayesul Yumusa and Caller Bal</td>
<td>Plate Number Recognition Using Segmented Method with Artificial Neural Network (9)</td>
<td>Amir Reza Asadi</td>
<td>Cognitive Ledger Project: Towards Building Personal Digital Twins through Cognitive Blockchain (5)</td>
<td>Muhammad Imran Ghaffoor, Sibghatullah Bazai, Muhammad Sobahi Roomi and Mubashar Aqeel</td>
<td>Secure IoT Update Using Blockchain (28)</td>
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<tr>
<td>Shadi Hilles and Noor Saleh</td>
<td>Brain Tumor Segmentation and Classification Using CNN Model (11)</td>
<td>Mehmet Kaplan, Emrah Tomur, Tolga Ayav and Murat Erten</td>
<td>Secure IoT Update Using Blockchain (28)</td>
<td>Muhammad Imran Ghaffoor, Mubashar Aqeel, Urmi Sadqi and Sibghatullah Bazai</td>
<td>Multi-Features Classification of SMD Screen in smart cities using Randomised Machine Learning Algorithms (71)</td>
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<tr>
<td>Naaman Omar, Adel Al-Zebawi and Abdulkadir Sengur</td>
<td>Deep Learning approach to predict forest fires using meteorological measurements (44)</td>
<td>Erdem Ergen</td>
<td>Notarized Trusted Trading by Smart Contracts (12)</td>
<td>Farhad Mohammed-Ameen Zebawi and Mehmet Bilal Er</td>
<td>Power Saving, Safety, and Remote Controlling Smart Building Based on IoT (27)</td>
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**Coffee Break**

**15:30-15:45**

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<tr>
<th>15:45-17:15</th>
<th>Session-4</th>
<th>AI-MACHINE LEARNING</th>
<th>Title</th>
<th>Session-8</th>
<th>NETWORKS</th>
<th>Title</th>
<th>Session-12</th>
<th>MACHINE LEARNING-IMAGE PROC</th>
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<td>Development of IoT Based Battery Management System (73)</td>
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<tr>
<td>Alika Ishan Perera Balasuriya, Dudara Dilitha, Methsaranisers Perera and Kavuena Jayaweera</td>
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<td>S.È.A.R. Siliwardana, K.D. Amila Sampath, S.G.L.D. K. Kusumah, Sanjaya Chandrasiri and Vijani Piyawardana</td>
<td>Driving through a bend: detection of unsafe driving patterns and prevention of heavy good vehicle rollovers (49)</td>
<td>Kayhan ERCİYES</td>
<td>Implementation of algebraic graph clustering algorithms for complex networks (7)</td>
<td>Chair: Dr. Serkan VAROL</td>
<td>Development of IoT Based Battery Management System (73)</td>
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<tr>
<td>Mehmet Sülêyman Yıldırım and Emre Dandil</td>
<td>DeepMSWeb: A Web-Based Decision Support System via Deep Learning for Automatic Detection of MS Lesions (65)</td>
<td>Denys Gobov and Volatility Yančuk</td>
<td>Network Analysis application to analyze the activities and artifacts in the core business analysis cycle (20)</td>
<td>Atif Saeed</td>
<td>Sustainable Automated Guided Vehicles (46)</td>
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<td>Siparoon Thirayomon</td>
<td>Home Bridge - Smart Elderly Care System (67)</td>
<td>Firaat Ak, Ersun Sumeroglu, Gihan Gonder, Veli Batuhan Oktan and Mehmet Eryılmaz</td>
<td>Bilecik Devent: A Secure Mobile App for Ticket Sales (16)</td>
<td>Mina Mesaha, Laura Fox, Serkan Varol, Bandar Abdulla, Cemal Ersan, Muhammed and Serkan Varol</td>
<td>Traffic Accidents Cause and Effect Analysis: A Case Study in Chattanooga, Tennessee (41)</td>
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<tr>
<td>Bayzanor Bostanci and Ahmet Alpayrak</td>
<td>Detection of Intrusions with Machine Learning Methods (39)</td>
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<td>Quantum phase estimation based algorithms for machine learning (34)</td>
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**Closing Remarks - Co-chairs**