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Paper Title : Challenges and Limitations of XAI in Smart Grid Applications

Bio :

Dr. Bilgehan Arslan is a Lecturer in the Department of Computer Engineering at Gazi University. She received her Ph.D. and Master of Science degrees in Computer Engineering from Gazi University, and her Bachelor of Science degree in Computer Engineering from Süleyman Demirel University. Her doctoral research focused on fingerprint recognition systems. An accomplished researcher with specialized expertise in mobile biometric systems and fingerprint recognition technologies, she holds 2 patent applications (MALFIS and MAFIS). She completed postdoctoral research at Arizona State University, contributing to cutting-edge spatio-temporal deep learning frameworks and epidemic modeling systems. With over 10 years of experience, she bridges the gap between theoretical research and practical biometric security applications. Her primary research interests include medical and biometric image processing, computer vision, deep learning, and machine learning.