

Edward Sazonov--deleted

Subjects: Engineering, Electrical & Electronic

Contributor: Edward Sazonov

Prof. Edward Sazonov works in the Department of Electrical and Computer Engineering at the University of Alabama, Tuscaloosa, AL, and is the head of the Computer Laboratory of Ambient and Wearable Systems (<http://claws.eng.ua.edu>).

Keywords: wearable sensors ; food intake ; behavioral informatics ; cigarette smoking ; physical activity ; sensor informatics ; eating behavior ; body sensor networks

1. Introduction

Edward Sazonov (IEEE M'02, SM'11) received the Diploma of Systems Engineer from Khabarovsk State University of Technology, Russia, in 1993 and the Ph.D. degree in Computer Engineering from West Virginia University, Morgantown, WV, in 2002. Currently he is a James R. Cudworth endowed Professor in the Department of Electrical and Computer Engineering at the University of Alabama, Tuscaloosa, AL and the head of the Computer Laboratory of Ambient and Wearable Systems (<http://claws.eng.ua.edu>).

2. Research Interest

His research interests span wearable devices, sensor-based behavioral informatics and methods of biomedical signal processing and pattern recognition. Devices developed in his laboratory include a wearable sensor for objective detection and characterization of food intake (AIM – Automatic Ingestion Monitor); a highly accurate physical activity and gait

monitor integrated into a shoe insole (SmartStep, winner of Bluetooth Innovation WorldCup 2009); a wearable sensor system for monitoring of cigarette smoking (PACT); and others. The research in his lab was recognized by several awards, including best paper awards, President's research award at the University of Alabama and others. In 2020 Dr. Sazonov served as a Fulbright Distinguished Chair at the University of Newcastle, Australia. His research has been supported by the National Institutes of Health, National Science Foundation, National Academies of Science, as well as by state agencies, private industry and foundations. Dr. Sazonov serves as an Specialty Chief Editor for Wearable Electronics, Frontiers In Electronics and Associate Editor for several IEEE journals. He authored and co-authored over 140 refereed publications and several books^{[1][2]}.

References

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