Abbreviations

AAL – Ambient Assisted Living
ADAA – Algorithm for Detection of Abnormal Activities
ADLs – Activities of Daily Living
AFAA – Auto-Fuzzy Automata Algorithm
ASCII – American Standard Code for Information Interchange
CASAS – Center for Advanced Studies in Adaptive Systems
CRF – Conditional Random Field
CVS – Condensed Vector Sequence
DFA – Deterministic Finite Automata
FCRF – Factorial Conditional Random Field
FFSM – Fuzzy Finite State Machine
FN – False Negative
FP – False Positive
FSM – Finite State Machine
GPS – Global Positioning System
HDP-HMM – Hierarchical Dirichlet Process Hidden Markov Model
HMM – Hidden Markov Model
HSMM – Hidden Semi Markov Model
IADL – Instrumental Activities of Daily Living
JDK – Java Development Kit
LBCAR – Location Based Composite Activity Recognition
LCD – Liquid Crystal Display

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NB – Naïve Bayes

NFA – Non-deterministic Finite Automata

OBCAR – Object Based Composite Activity Recognition

OCSVM – One-class Support Vector Machine

ORA – Online Recognition Algorithm

PA – Probabilistic Automata

RFID – Radio-frequency Identification

SCCRF – Skip-Chain Conditional Random Field

SVM – Support Vector Machine

TN – True Negative

TP – True Positive
List of Papers Presented / Published


6) H. Karamath Ali and Dr. D. I. George Amalarethinam, “Detecting Abnormality in Activities Performed by People with Dementia in a Smart Environment”,

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