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Publications

A Modular Platform for Wireless Body Area Network Research and Real-life Experiments: The ASE-BAN Testbed
Jacobsen, R. H., Hansen, F. O., Madsen, J. K., Karstoft, H., Mikkelsen, P. H., Skogberg, T. A., Rasmussen, E. S., Andersen, C., Alrøe, M. & Toftegaard, T. S., 2011, In: International Journal on Advances in Networks and Services. 4, 3-4, p. 257-277 21 p.

Projects

433MHz Styring af Drone

Alrøe, M. (Participant)
25/08/2014 → 25/12/2014

Aegir - An Autonomous Underwater Vehicle

Alrøe, M. (Participant), Sivertsen, L. B. (Participant), Nielsen, M. C. Ø. (Participant) & Thomasen, M. K. (Participant)
23/01/2017 → 29/05/2017

A generic embedded platform using Programmable System-on-Chip and Bluetooth low energy technologies as a research platform for development of wireless body area network nodes

Alrøe, M. (Project manager)
07/01/2013 → 31/05/2013

AU2LOG - Bestemmelse af position med Bluetooth Low Energy samt måling af temperatur og luftfugtighed i mejerimiljø med batteridrevet enhed

Alrøe, M. (Participant), Gormsen, M. H. (Participant), Thomsen, K. (Participant) & Krogh-Pedersen, P. (Participant)
23/01/2017 → 29/05/2017

Automatisk Ultralydsscanner

Alrøe, M. (Participant), Kristensen, C. S. (Participant), Nørregaard, M. S. (Participant) & Kirkegaard, M. (Participant)
29/08/2016 → 16/12/2016

Autonomous simultaneous localization and mapping (SLAM) with Turtlebot using ROS

Alrøe, M. (Participant), Honore, K. (Participant), Holst, J. T. (Participant) & Knudsen, T. H. (Participant)
05/01/2015 → 28/05/2015

CAPTAIN: Autonomous surveying vessel with autopilot, navigational algorithms, GPS, and website user interface, using C++11, Boost, AngularJS, JavaScript, and with extensive unit testing.

Alrøe, M. (Project manager), Bonde, N. K. (Participant) & Brahe, T. R. (Participant)
28/08/2017 → 19/12/2017

BLE EXTENSION

Alrøe, M. (PI), Munch-Hansen, F. (Participant) & Trebbien, C. L. (Participant)
31/08/2020 → 16/12/2020

Cambot - Automatiseret embedded system til digital fotografering, kamerastyling og rotering af model til brug sammen med Structure from Motion algoritmer i samarbejde med Moesgaard Museum.

Alrøe, M. (PI), Eriksen, N. W. M. (Participant) & Orlenko, O. (Participant)
03/02/2020 → 27/05/2020

Embedded IoT Node

Alrøe, M. (Participant), Andersen, C. (Participant) & Jessen, M. (Participant)
01/02/2016 → 27/05/2016

Evan Bright Bands - Uniting Brightness

Alrøe, M. (Participant), Øster, E. H. (Participant) & Hansen, I. B. (Participant)
01/01/2015 → 03/06/2015

Intelligent Matrix Light System for HMF Cranes

Alrøe, M. (PI), Christensen, A. L. (Participant), Torkelund, M. F. (Participant) & Bech, M. (Participant)
26/08/2019 → 18/12/2019

IoT-enabled fall detection system, powered by Machine learning on Microcontrollers

Alrøe, M. (PI), Kjærager, J. (Participant), Sahlertz, M. (Participant) & Lutze, T. K. (Participant)
03/02/2020 → 27/05/2020

Kamstrup Emulated Medium Transmitter Unit

Alrøe, M. (PI), Kjeldgaard, P. L. (Participant) & Rey, R. J. (Participant)
05/02/2018 → 01/06/2018

Laser Cutter with Delta Robot

Alrøe, M. (Project manager), Hansen, P. S. (Participant) & Krüger, M. W. K. (Participant)
28/08/2017 → 19/12/2017

LoadPlanner

Alrøe, M. (Participant)
26/08/2013 → 18/12/2013

Loop Powered Coriolis Flow Meter

Alrøe, M. (Participant), Laursen, K. (Participant) & Kristensen, A. J. (Collaborator)
24/08/2015 → 18/12/2015

Low-power multifunktionel telemedicinering

Alrøe, M. (Project manager)
04/02/2013 → 21/06/2013

Low Power Ocean Wave Sensor

Alrøe, M. (PI), Langhoff, R. B. (Participant) & Kjær, M. W. (Participant)
27/08/2018 → 19/12/2018

Model-based Localization using Unscented Kalman Filter for a Remotely Operated Vehicle

Alrøe, M. (PI), Frisk, O. L. N. (Participant) & Andersen, K. F. (Participant)
28/01/2019 → 29/05/2019

Multi Touch - All Connect

Alrøe, M. (Project manager)
26/07/2010 → 17/12/2010

Press-Container Fill-Level Monitor (PCFL Monitor)

Alrøe, M. (Participant), Buhl, M. D. (Participant), Yde, A. T. (Participant) & Person, U. (Collaborator)

24/08/2015 → 18/12/2015

Simulering af slalombane på indendørs skibakke

Alrøe, M. (Participant), Nielsen, K. (Participant) & Winkel, M. V. (Participant)
25/08/2014 → 25/12/2014

Storagepicker - A Deltarobot Solution

Alrøe, M. (Participant), Sørensen, J. A. (Participant) & Thøgersen, M. H. (Participant)
29/08/2016 → 16/12/2016

Telemedicinsk robotstyret ultralydsskanning

Alrøe, M. (Participant), Lauridsen, A. (Participant), Michaelsen, K. (Participant) & Laursen, R. H. (Participant)
24/08/2015 → 18/12/2015

Temperatur monitorerings system

Alrøe, M. (PI), Bjerrum, E. D. (Participant), Andersen, M. L. S. (Participant) & Hanghøj, R. (Participant)
31/08/2020 → 16/12/2020

Terrain Analysis with machine learning technology

Alrøe, M. (PI), Celik, E. (Participant), Bak, K. (Participant) & NALLIAH, S. (Participant)
28/01/2019 → 29/05/2019

TIC

Alrøe, M. (Project manager)
25/08/2008 → 18/12/2008

TravelPal

Alrøe, M. (Project manager)
04/02/2013 → 21/06/2013

Universal Robot, UR10 controlled by Leap Motion

Alrøe, M. (Participant), Cardoso, G. S. (Participant), Rodriguez, A. A. L. (Participant) & Arto, M. L. (Participant)
01/01/2015 → 03/06/2015

WindGIS

Alrøe, M. (Project manager)
30/08/2010 → 17/12/2010