

International Research Exchange Opportunity with CITRIS and the University of California

Information Sessions – Copenhagen April 25-26, 2019

CITRIS and DAFSHE are pleased to offer research exchange opportunities for faculty and students of Danish Universities who are interested in being hosted by faculty at the Center for Information Technology Research in the Interest of Society and the Banatao Institute in California, USA. CITRIS is a research and innovation ecosystem of deep technology researchers at four University of California (UC) campuses: UC Berkeley, UC Davis, UC Merced and UC Santa Cruz. Researchers within the CITRIS innovation ecosystem focus on health technology, robotics and machine intelligence, and sustainable infrastructure (energy, water and transportation). A full list of CITRIS investigators and professors available to host Danish faculty and students is attached.

CITRIS and DAFSHE are sponsoring two program events in Copenhagen to provide an opportunity to speak with CITRIS researchers and staff. To learn more about this unique research exchange opportunity please plan to attend!

Date and Location

April 25 – Aalborg University, Copenhagen Campus

Room: Auditory, 1st floor
Aalborg University (AAU), Copenhagen
A.C. Meyers Vænge 15
2450 Copenhagen

April 26 – DTU University, Copenhagen Campus

Danish Technical University (DTU)
Anker Engelunds Vej 1, Bygning
101A, Oticonsalen
2800 Kgs. Lyngby

Contact

Denmark – Professor Birthe Dinesen BID@hst.aau.dk
USA – Doctor David Lindeman dlindeman@citrisc-uc.org
USA – Karen Stierwalt karen@citrisc-uc.org

Register

Register at the following link: <http://bit.ly/RegisterforWorkshops>

Workshop details: <http://bit.ly/InternationalResearchExchange>

CITRIS Principal Investigators

PIs available to host visiting DAFSHE scholars

UCM		PI Name: Reza Ehsani Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> • People & Robots • Sustainable Infrastructure e-mail: rehsani@ucmerced.edu	Research Interests: <ul style="list-style-type: none"> • Engineering systems for agriculture • Automation and intelligent machines for production and postharvest of agricultural crops • Precision agriculture technology • Sensors for biotic and abiotic plant stress detection • Mechanical harvesting machines and robotic systems for fruit and nut trees
UCM		PI Name: YangQuan Chen Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> • People & Robots • Sustainable Infrastructure e-mail: ychen53@ucmerced.edu	Research Interests: <ul style="list-style-type: none"> • Mechatronics Control systems • Unmanned aircraft systems • Cyber-physical systems • Applied fractional calculus
UCM		PI Name: Stefano Carpin Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> • People & Robots • Sustainable Infrastructure e-mail: scarpin@ucmerced.edu	Research Interests: <ul style="list-style-type: none"> • Robotics • Motion planning • Cooperative multi-robot systems • Urban search & rescue & service robotics • High fidelity robot simulation • Artificial intelligence
UCM		PI Name: Rudy Ortiz Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> • Health e-mail: rortiz@ucmerced.edu	Research Interest: <ul style="list-style-type: none"> • Metabolism and diet
UCM		PI Name: Teamrat Ghezzehei Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> • Sustainable Infrastructure • People and Robots e-mail: tghezzehei@ucmerced.edu	Research Interest: <ul style="list-style-type: none"> • Currently working on soil Compaction and precision tillage by autonomous vehicles with collaborator at Aarhus University • Soil Physics • Machine Learning
UCM		PI Name: Abel Chuang Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> • Sustainable Infrastructure e-mail: abel.chuang@ucmerced.edu	Research Interest: <ul style="list-style-type: none"> • Fuel cells • Electrolysis • Hydrogen Energy • Electrochemical Method • Thermal Management • Two-Phase Heat Transfer and Fluid Flow • Porous Media • Carbon Fiber Paper

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UCM		PI Name: Erin Hestir Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure People and Robots e-mail: ehestir@ucmerced.edu	Research Interest: <ul style="list-style-type: none"> Hyperspectral remote sensing Hydrogen Energy Geospatial analytics
UCM		PI Name: Joshua Viers Campus: UC Merced CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure e-mail: jviers@ucmerced.edu	Research Interest: <ul style="list-style-type: none"> Agroecology & conservation agriculture planning & implementation Climatic & hydrological change vulnerability assessment & adaptation strategies Ecosystem service & biodiversity inventory, assessment & restoration Geospatial technologies Informatics; database design & data mining Water & watershed management; water footprinting
UCSC		PI Name: Sue Carter Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure e-mail: sacarter@ucsc.edu	Research Interest: <ul style="list-style-type: none"> Renewable Energy Sustainable Systems Thin Film Optoelectronic Technologies Biosensors Agriculture Technologies
UCSC		PI Name: Ricardo Sanfelice Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> People and Robots e-mail: Ricardo@ucsc.edu	Research Interest: <ul style="list-style-type: none"> Modeling, stability, robust control Observer design Simulation of nonlinear and hybrid systems Applications to power, robotics, aerospace, and biology
UCSC		PI Name: Gabriel Elkaim Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> People and Robots e-mail: elkaim@ucsc.edu	Research Interest: <ul style="list-style-type: none"> Embedded systems Robust software architectures for real-time reactive systems Sensor fusion Guidance, navigation, and control (GNC) system identification Robust and advanced control schemes Feedback and control systems; robotics Unmanned autonomous vehicles (UAVs) Cooperative control
UCSC		PI Name: JJ Garcia-Luna-Aceves Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructures e-mail: jj@soe.ucsc.edu	Research Interest: <ul style="list-style-type: none"> IoT Network Security Security of cyber-physical systems and cyber-physical networks Information-centric networking Internet services and applications to health care and smart cities




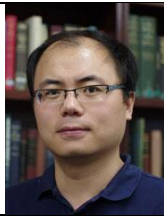


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UCSC		PI Name: Noah Wardrip-Fruin Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> • Health • People and Robots e-mail: nwardrip@ucsc.edu	Research Interest: <ul style="list-style-type: none"> • Video Games • Game Design, Technology, & Studies • Digital Media, Humanities, & Arts • Artificial Intelligence
UCSC		PI Name: Sri Kurniawan Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> • Health • People and Robots e-mail: srikur@ucsc.edu	Research Interest: <ul style="list-style-type: none"> • Human-computer interaction • Human factors and ergonomics • Accessibility • Assistive technology • Usability • Empirical studies • Human-centered design
UCSC		PI Name: Katia Obraczka Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> • People and Robots • Sustainable Infrastructure • Health e-mail: obraczka@ucsc.edu	Research Interest: <ul style="list-style-type: none"> • Computer networks • Distributed systems • Operating Systems • Internet information systems • Mobile Computing • Wireless networks
UCSC		PI Name: Matt Wagers Campus: UC Santa Cruz CITRIS Initiative: <ul style="list-style-type: none"> • People and Robots e-mail: mwagers@ucsc.edu	Research Interest: <ul style="list-style-type: none"> • Language and Linguistics • Language Processing • Memory • Cognition • Cognitive Science • Psycholinguistics
UCD		PI Name: Stavros Vougioukas Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • People and Robots e-mail: svougioukas@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Agricultural Robotics • Mechanization and automation for specialty crops • Design, development, and testing of actuators • Sensors and control systems for optimal management of inputs and products
UCD		PI Name: Sanjay S. Joshi Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • Health • People and Robots e-mail: maejoshi@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Social Isolation • Robotics • Neuroengineering/Neurology/Neuroscience • Spacecraft Control Systems • Human-machine interfaces (including Brain-Computer Interfaces) • Prosthetics • Artificial Intelligence/ML • Mobile Computing • Rehabilitation

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UCD		PI Name: Bahram Ravani Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • People and Robots • Health e-mail: bravani@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Computational kinematics and dynamics • Bio-dynamics of impact trauma • Computational geometry in design and manufacturing • Design of mechanical and biomechanical devices.
UCD		PI Name: Mark Modera Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • Sustainable Infrastructure e-mail: mpmodera@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Energy Performance • HVAC • Heat Transfer • Fluid mechanics • Aerosol
UCD		PI Name: Vinod Narayanan Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • Sustainable Infrastructure e-mail: vnarayanan@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Energy Efficiency • High Flux Thermal Management • Microscale Heat Transfer • Phase Change Heat Transfer • Solar Energy Utilization
UCD		PI Name: Nelson Max Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • Sustainable Infrastructure e-mail: max@cs.ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Scientific Visualization • Computer animation • Realistic computer graphics rendering • Multi-view stereo reconstruction • Molecular graphics • Volume and flow visualization, particularly on irregular finite element meshes • Realistic lighting effects in clouds, trees, and water waves
UCD		PI Name: Zhaodan Kong Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • Sustainable Infrastructure e-mail: zdkong@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Control theory, machine learning, formal methods, and their applications to human-machine systems • Cyber-physical systems, and neural engineering
UCD		PI Name: Soheil Ghiasi Campus: UC Davis CITRIS Initiative: <ul style="list-style-type: none"> • People and Robots • Sustainable Infrastructure • Health e-mail: ghiasi@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Design methods for embedded computing systems with a focus on streaming and data analytic workloads • Static and dynamic management of computing system resources • System-level design automation • Reconfigurable architectures and combinatorial algorithm design for embedded applications
UCD		PI Name: Katherine Kim Campus: UC Davis Health Center CITRIS Initiative: <ul style="list-style-type: none"> • Health e-mail: kathykim@ucdavis.edu	Research Interest: <ul style="list-style-type: none"> • Social networking platform in cancer care and its impact on care • Design, implement, and evaluate mobile and social technology-enabled health interventions and distributed research networks
UCB		PI Name: Alice Agogino	Research Interests:






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		Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> • People and Robots e-mail: agogino@berkeley.edu	<ul style="list-style-type: none"> • Intelligent learning systems • Multiobjective and strategic product design • Intelligent control and manufacturing • Sensor validation, fusion and diagnostics • Wireless sensor networks • Multimedia and computer-aided design • Design theory and methods • MEMS Synthesis and CAD • Artificial intelligence and decision and expert systems
UCB		PI Name: Ram Akella Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> • People and Robots • Health e-mail: akella@soe.ucsc.edu	Research Interests: <ul style="list-style-type: none"> • Machine learning • Intelligent services and knowledge management • Machine learning • Stochastic Dynamic Programming and Control • Reinforcement Learning
UCB		PI Name: Adrian Aguilera Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> • Health e-mail: aguila@berkeley.edu	Research Interests: <ul style="list-style-type: none"> • Mobile technology (mHealth) and mental health • Digital health • Latino & minority mental health • Health disparities • Cognitive-behavioral therapy for depression • Machine learning • User centered design • Implementation science
UCB		PI Name: Kevin Healy Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> • Health e-mail: kehealy@berkeley.edu	Research Interests: <ul style="list-style-type: none"> • Bioengineering • Biomaterials engineering • Bioinspired materials • Regenerative medicine • Stem cell engineering • Microphysiological systems • Organs on a chip • Drug screening and discovery
UCB		PI Name: Daniel Fletcher Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> • Health e-mail: fletch@berkeley.edu	Research Interests: <ul style="list-style-type: none"> • Bioengineering • Optical and force microscopy • Microfabrication • Biophysics • Mechanical properties of cells
UCB		PI Name: Anil Aswani Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> • Health e-mail: aaswani@berkeley.edu	Research Interests: <ul style="list-style-type: none"> • Personalized medicine and healthcare systems • Optimization of human-automation systems • Statistical and optimization theory

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UCB		PI Name: Carl Blumstein Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure e-mail: blumstei@berkeley.edu	Research Interests: <ul style="list-style-type: none"> Energy Efficiency Energy Policy Restructuring in the electric power supply industry Strategic Petroleum Reserve Software architecture for building monitoring and control
UCB		PI Name: Therese Pepper Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure e-mail: therese.pepper@uc-ciee.org	Research Interests: <ul style="list-style-type: none"> Energy consumption displays, thermostats, and consumer behavior Metrics for the EPA's EnergyStar specifications on climate controls User interface usability research
UCB		PI Name: Sascha von Meier Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure e-mail: vonmeier@eecs.berkeley.edu	Research Interests: <ul style="list-style-type: none"> High-precision micro-synchrophasor measurements for situational awareness Diagnostics and control applications in distribution grids Energy (ENE) Electric Grids Power Distribution
UCB		PI Name: Robert Pilawa-Podgurski Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure e-mail: pilawa@berkeley.edu	Research Interests: <ul style="list-style-type: none"> Renewable energy applications Electric vehicles Energy harvesting CMOS power management High density and high efficiency power converters Advanced control of power converters
UCB		PI Name: Iris Tommelein Campus: UC Berkeley CITRIS Initiative: <ul style="list-style-type: none"> Sustainable Infrastructure e-mail: tommelein@berkeley.edu	Research Interests: <ul style="list-style-type: none"> Lean construction Supply-chain management Materials management Logistics Design management Construction product and process engineering