CLAUDIA KANN

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EDUCATION

California Institute of Technology   Pasadena, CA
Ph.D. in Social Sciences   In Progress
M.S. in Social Sciences, GPA: 3.9   2022
M.S. in Mechanical Engineering, PhD Candidate, GPA: 4.0   2019

Rice University   Houston, TX
B.S. in Mechanical Engineering, GPA: 3.8   2017

ARTICLES (PEER-REVIEWED)

Reher, Jenna, <u>Claudia Kann</u>, and Aaron D. Ames. "An inverse dynamics approach to control lyapunov functions." 2020 American Control Conference (ACC). IEEE, 2020.

Tucker, Maegan, Ellen Novoseller, <u>Claudia Kann</u>, Yanan Sui, Yisong Yue, Joel Burdick, and Aaron D. Ames. "Preference-based learning for exoskeleton gait optimization." 2020 IEEE international conference on robotics and automation (ICRA). IEEE, 2020.

C.G. Rose, E. Pezent, <u>C.K.Kann</u>, A.D. Deshpande, M.K. O'Malley.,"Assessing Wrist Movement with Robotic Devices," in IEEE Transactions on Neural Systems & Rehabilitation Engineering (TNSRE), 2017

C. G. Rose, <u>C. K. Kann</u>, A. D. Deshpande, M. K. O'Malley., "Estimating Anatomical Wrist Joint Motion with a Robotic Exoskeleton," in IEEE Intl. Conf. on Rehab. Robotics (ICORR), 2017

WORKING PAPERS

"Collective Identity in Collective Action: Evidence from the 2020 Summer BLM Protests" (with R. Michael Alvarez, Zachary Steinert-Threlkeld, and Sarah Hashash)

"Efficient Collection of Large Scale Social Media Protest Data" (with R. Michael Alvarez, Zachary Steinert-Threlkeld, and Sarah Hashash)

"Preliminary Evaluation of Los Angeles County Vote Center Performance in the March 2020 Primary Elections" (with R. Michael Alvarez, Daniel Guth and Seo-Young Silvia Kim)

"Los Angeles County Vote Center Observation Report, 2020 March Primary" (with R. Michael Alvarez, Daniel Guth, Seo-Young Silvia Kim, and Yimeng Li)

AWARDS & HONORS

IST/AWS AI4Science Cloud Credit Programs   2022
(Political Polarization, Geographic Sorting, and Novel Methods for Large Administrative Data)
Cloud Computing Credits $5,000
GCP Research Credit   2022
(Tracking Protest Movements with Twitter)
Cloud Computing Credits $1,000
First Year Award   2020
$5,000 Stipend Supplement
Big Ideas Fund   2019
$75,000 in research funding for exoskeleton work
National Science Foundation Graduate Research Fellowship (NSF GRFP)   2017 - 2020
Graduate Student Stipend $138,000
Henry L. Guenther Graduate Fellowship in Mechanical Engineering   2017

Distinction in Research and Creative Work, George R. Brown School of Engineering 2017
President's Honor Roll, Rice University 2015, 2016

PRESENTATIONS

"Personal and Collective Identity in the 2020 Black Lives Matter Protests," Midwest Political Science Association. Chicago, IL, April 2022.

TEACHING ASSISTANT

Introduction to Political Science	SP 2022, FA 2021
A History of Budgetary Politics in the United States	SP 2022
Thermal System Design Course	FA 2016

UNDERGRADUATE ADVISING

- Sarah Hashash (SURF student, Summer 2021, Undergraduate Researcher AY 2021-2022)

- Sofia Kwok (SURF student, Summer 2019)

- Paulina Ridland (SURF student, Summer 2019)

- Allison Cheng (SURF student, Summer 2019)

- Diana Frias Franco (FSRI student, Summer 2019)

- Annabel Gomez (Caltech Freshman Summer Research Institute (FSRI) student, Summer 2019)

- Jesus Hernandez (Caltech Summer Undergraduate Research Fellowship (SURF) student, Summer 2018)