
USF I-Corps Teams: Fall 2023 Cohort



Team 1: Actualization AI



Team 1: Actualization.AI



John Licato (PI)



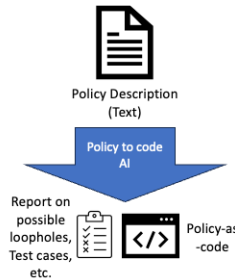
Logan Fields (EL)



Animesh Nighojkar (M)



Product: An AI tool for automatic analysis, formalization, and deployment of policies and regulations as code.



Interviews conducted since last time:

- Video chats: 8
- Phone calls: 2
- In-person: 0
- **Total so far: 26**

- PI: John Licato, Ph.D. / College of Engineering / Tampa
- EL: Logan Fields / USF Student / Tampa
- EL: Animesh Nighojkar / USF Student / Tampa

Team 2: EZ Ag Innovations (EZAI)

Team #2

UF UNIVERSITY of FLORIDA

Nathan Boyd, PhD
President

Arnold Schumann, PhD
Chief Scientific Officer

Martyn Ballestero
Chief Executive Officer

Real-time targeted spraying of cucurbits

Artificial neural network models & cameras

Accelerated computing

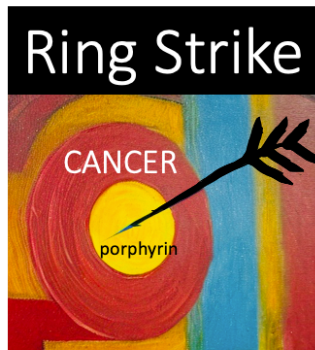
Sprayer valve actuation

Retrofitted cucurbit sprayer

- PI: Arnold Schumann, Ph.D. / University of Florida
- EL: Nathan Boyd, Ph.D. / University of Florida
- M: Marty Ballestero / EZAI

(Key) PI: Principal Investigator EL: Entrepreneurial Lead M: Mentor

Team 4: Ring Strike



A novel cancer metabolic therapy that is non-toxic, broad-range, and efficacious

PI: Rays Jiang
EL: Swamy Adapa
Member: Gloria Ferreira
Member: Greg Hunter

- PI: Rays H.Y. Jiang, Ph.D. / College of Public Health / Tampa
- PI: Gloria Ferreira, Ph.D. / Morsani College of Medicine / Tampa
- EL: Swamy R. Adapa / USF Student
- EL: Greg Hunter / USF Staff

Team 5: Traffic Buster

Traffic Buster

Revolutionizing Transportation Efficiency



New highly flexible traffic controller “Traffic Buster” with ability to optimize traffic movement AND provide related information to travellers (freight companies, etc.) and traffic information providers.

- PI: Lily Elefteriadou, Ph.D. / University of Florida
- EL: Victoria Zorbas / UF Student

Team 5



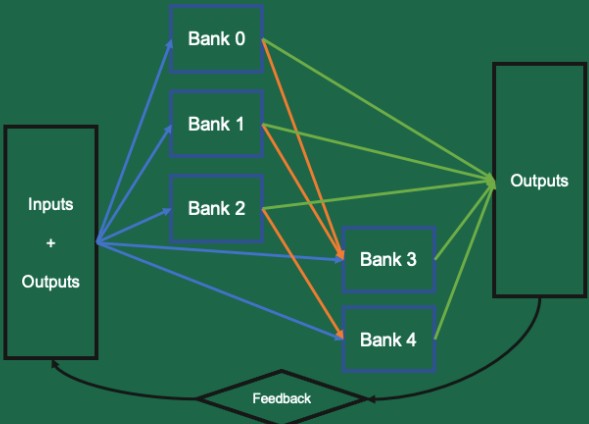
Dr. Lily Elefteriadou, Ph.D.




Victoria Zorbas, MSci.

Team 7: Heads


Team 7: HEADS




Robust and deterministic cognitive architecture enabling decision support and fully-autonomous operations using expert knowledge



Dr. Peter Jorgensen, PI/EL



Dr. Darren Schumacher, M



UNIVERSITY of SOUTH FLORIDA

- PI: Peter Jorgensen, Ph.D. / USF Institute for Applied Engineering
- M: Darren Schumacher, Ph.D. / USF Institute for Applied Engineering

Team 8: Preload from Torque with Reduced Uncertainty

Preload from torque with reduced uncertainty



An assembly method & tool that uses tightening torque & removal torque for achieving preload with reduced uncertainty and without requirement of previously acquired torque-tension data



**Team name: RT
Team # 8**



Dan Hess, PI

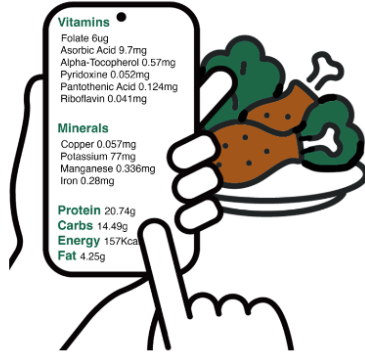


**Marcelo Farfan
Entrepreneurial Lead**

- PI: Daniel Hess, Ph.D. / College of Engineering / Tampa
- EL: Marcelo Farfan / USF Student / Tampa

MeNCA – Team #9

MeNCA



MeNCA: Your gateway to effortless nutritional analysis with AI-powered automatic ingredient detection and portion estimation.



Dr. Hariom Yadav, PI



Dr. Yu Sun, PI



Keivi Cupa, EL



Navin Singh, EL

- PI: Hariom Yadav, Ph.D./ Morsani College of Medicine / Tampa
- PI: Yu Sun, Ph.D. / College of Engineering / Tampa
- EL: Keivi Cupa / USF Student
- EL: Navin Singh / USF Student