

**The Covering Environments Seminars**

**Smartphone Detection of Plant Health and Diseases**

**Jeong-Yeol Yoon, PhD**

Professor of Biosystems Engineering & Biomedical Engineering

**August 30, 2019 @ 4:15pm**

**The Controlled Environment Agriculture Center 1951 E Roger Rd, Tucson AZ 85719**

It is exceedingly difficult to adequately introduce Jeong-Yeol Yoon, our CEAC Covered Environments seminar speaker. This is because Professor Yoon has achieved so much and in so many different research and teaching areas that a page simply will not hold all the relevant information. So, here is a somewhat different approach to an intro of Professor Yoon: 2 # of PhD degrees earned!!!; 4 # of profoundly significant research areas explored; 6 # of university titles held; 8 # of course areas taught; 9 # of peer reviewed books and chapters published; 23 # of postdocs and grad students trained; 89 # of peer reviewed studies authored. These numerous accomplishments reflect the enormous impact that Jeong-Yeol is having at the UofA and internationally by sharing his knowledge and by sending his student emissaries world wide to continue their own teaching and research impact.

The genius innovations introduced by Professor Yoon to the field of sensor technologies resides in the linking of smartphones to an array of miniaturized sensors which together provide instantaneous information, in a portable platform, about plant pathogens, airborne pathogens, food pathogens, and water pathogens. In other words, the technologies and instruments developed in Professor Yoon's lab provide diagnostic information on human and plant health, as well as on air and water quality.

So, if you really want to know what your smart phone is capable of, come listen to Professor Yoon's seminar and be awed.



<https://biosensors.abe.arizona.edu/yoon.htm>

[rgruener@email.arizona.edu](mailto:rgruener@email.arizona.edu)