

## Sami Saleh Alghamdi

From: Jeddah, Saudi Arabia

Studies: Micro-Nanoelectronics / Electrical Engineering

### Please briefly describe your research:

I work on the smallest building block of any electronic chip, the transistor. My research focuses on finding an alternative material to what transistors are usually made of, silicon, in order to further miniaturize its size, and help electronic technologies "move forward". We build and investigate transistors down to a nano scale, which is 1000 times less than the diameter of human hair, and the state-of-the-art facilities we have at Birck Nanotechnology Center play an important role in making things happen.

### Why did you choose Purdue?

After long research on what could be the best place that I could spend my next 6-8 years in USA, and at the same time pursue my career as professor, Purdue was the best option among my top 10 choices. Purdue is home for pioneer researchers in my field.

### What is your favorite fact about Purdue?

The pride I have being a Boilermaker is something every Purdue student should feel.

### Name one to three words that best describes your work?

Advance, Electronic, Technologies.

### Where do you spend most of your time on campus?

In my nice office at Birck.

### If you have free time, how do you spend it?

Meeting friends and colleagues right around campus.

### Current mobile device/computer:

iPhone X, Macbook Pro.

### What apps, software, or tools are must-haves?

Matlab, Excel, LaTeX, and of course Whatsapp :)

### What's your workspace setup like?

I usually sit by my desktop in our research group room with my Starbucks coffee.

### What's your favorite to-do list manager?

Siri, she is my assistant :)

### What everyday thing are you better at than everyone else?

I love trying new things and winning opportunities. I take initiative when it comes to social life, too.

Fill in the blank with a person (famous or otherwise): I'd love to see \_\_\_\_\_ answer these same questions.

My son answering them as a Purdue student.



### What are you currently reading, or what is the last thing you read (aside from academic reading)?

I love reading articles about civilization history around the world, politics, and economy.

### What's your sleep routine like?

Well, it changes with the season, I sleep earlier in winter times than in summer. why? Well, nights here in West Lafayette are very long.

### What is (are) your career goal(s)?

Teaching and research are my passion, so I would definitely continue working in academia.

### Where can we find you on Social Media?

[linkedin.com/in/samisalghamdi](https://www.linkedin.com/in/samisalghamdi)  
[@samisalghamdi](https://twitter.com/samisalghamdi) (twitter and Instagram)  
[facebook.com/e.dr.sami](https://facebook.com/e.dr.sami)

Request Information

[www.purdue.edu/grad](http://www.purdue.edu/grad)

E-mail: [gradinfo@purdue.edu](mailto:gradinfo@purdue.edu)

# WHY CHOOSE PURDUE?



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Computational Life Sciences\*  
Computational Science and  
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Ecological Sciences and  
Engineering\*  
Food Science\*  
Gerontology\*  
Information Security\*  
Ingestive Behavior\*  
Life Science (PULSe)\*  
Linguistics  
Nutrition\*  
Women's Studies\*

\* Degree awarded within  
participating department.

**WE ARE HERE  
TO HELP!**

**The Graduate Contact is the individual assigned  
to a program who you can email with questions.**

[purdue.edu/gradschool/requirements/](http://purdue.edu/gradschool/requirements/)

## FUNDING OPTIONS:

There are many resources for funding your education at Purdue. The two most common for international students are grants and assistantships.

- **Grants:** Free money which you do not have to work for or repay the funds. Fellowships are a common example.
- **Assistantships:** A position where you teach, do research, or perform other administrative/professional duties in exchange for free tuition and a stipend. Medical insurance is sometimes included.