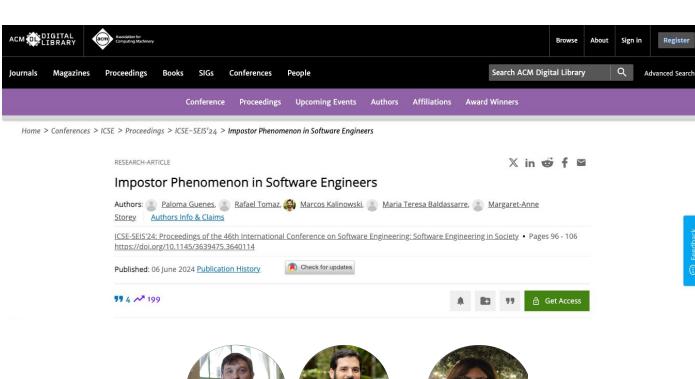
Impostor Phenomenon in Academia: Why You're Not Alone and How to Overcome It

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ICSE 2025, New Faculty Symposium

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Rafael Tomaz



Marcos Kalinowski





Maria Teresa Baldassarre



Have you ever....

Felt like you **didn't deserve a compliment** for your research because you felt it was probably something "easy"?

Doubted your success as a researcher even when you were hired for your job or had some research success?

Felt that where you are today is due to **luck** and that someday you will be "found out" that you don't know as much as you should?

Do you tend to be hard on yourself when you make **mistakes or need help**?

Impostor Phenomenon refers to...

A persistent feeling in high-achieving individuals that they are not good enough, that others overestimate their abilities, and that they will eventually be exposed as a fraud





I have offended God and mankind because my work didn't reach the quality it should have.

Leonardo da Vinci



Clance IP Scale

- 1985: Impostor Phenomenon Scale (CIPS) developed by Dr. Pauline Clance
- 20-item self-report, 1-5 Likert scale
- Scores range from 20 to 100
- Measures fear of evaluation & failure, guilt of success, self vs others' perception
- Widely used in research & practice



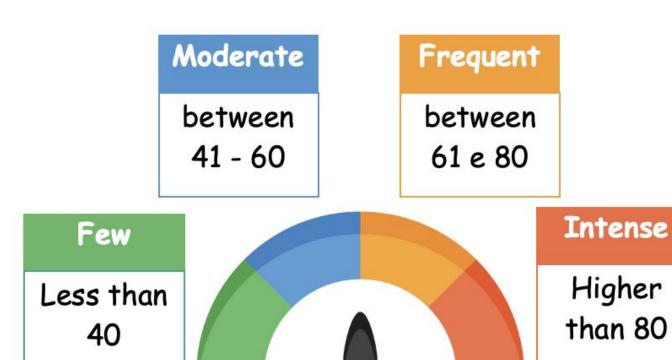
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Imposter Phenomenon

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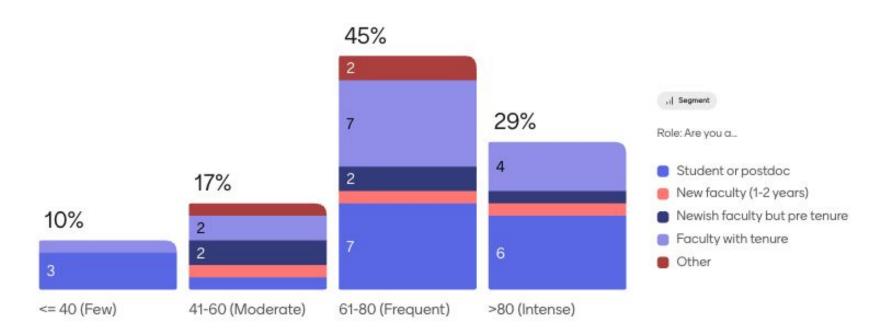
Higher

than 80

Results from this online survey in the

symposium!

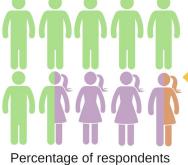
IP Test: After taking the Impostor Test (scan qr code), add together the numbers of the responses to each statement.





Results from Paloma's study with software professionals





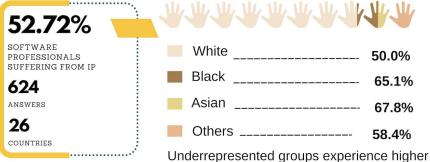
Men 67.7%

Women 30.1%

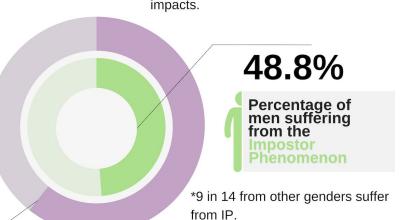
2.2% Others

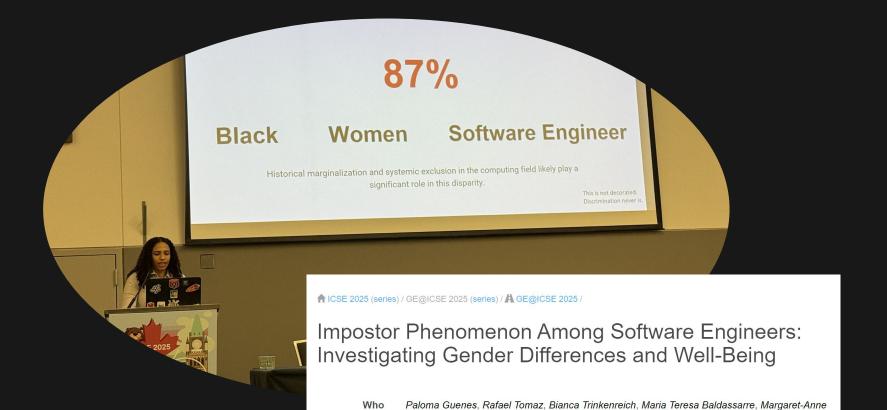
60.6%

Percentage of women suffering from the **Impostor** Phenomenon



levels of Impostor Phenomenon. However, white individuals also face significant impacts.





Storey, Marcos Kalinowski
GE@ICSE 2025 Gender Equality

Track

Triggers of Impostor Phenomenon for Faculty

- There are often spikes in the phenomenon feeling
- Childhood and culture, identity
- It starts when you are a **student**, and gets worse when you start a position
- Research expertise (questions, talking to colleagues)
- Not understanding colleagues' papers or presentations
- Giving presentations or scientific writing
- Working on too many projects
- Rejected papers/grants (especially those with non constructive feedback!)
- Teaching (no training)
- Negative academic **environment** (hypercompetitive, microaggressions)
- Comparing oneself to others
- **Uncertainty** and **evaluation** (for promotion/awards etc)
- Being recognized publicly

Why this matters...

Individuals with IP report lower levels of subjective **well-being and mental health** (depression, stress, anxiety, burnout, relationship issues)

Impacts negatively **productivity**, and career **progression**

Steals your joy...

What can you do to overcome self-doubt and embrace success?

- \rightarrow Be **aware**, but don't let the mask define you \rightarrow talk with others about it
- → Focus on facts, and revisit your achievements **own your successes** (craft your CV on your terms, see Michele's CV!)
- → Set realistic goals!
- → Fake it till you make it but you don't need to know everything to be competent
- → Find mentors, peers and promote a culture that combats impostor phenomenon
- → See **failure** as part of learning, not proof of inadequacy

What *can we* do to support those we work with?

- → Support others consider their gender and race, and socioeconomic background/abilities
- → Normalize failure and celebrate success
- → Create environments that don't lead to IP (how can we be more like Sweden)
- → Coach your **students** about IP
- Our words and the small things we do matter
- → Don't be a bystander

Some personal advice

- → Be careful with choosing **students**, choose students that want to work with **you**
- → Have templates for saying no
 (+1 for the idea to mark the bullets you dodged in your calendar as a reward, thanks Shane McIntosh for this ida!)
- → Choose collaborators that lift you up
- → Don't sell your soul for papers or funding
- → Don't try your best (it gives you an excuse for not succeeding :))
- → Seek worklife balance and identity outside work (but recognize that work can bring us flow experiences that we may not experience otherwise, as well as friends)
- → Spend time trying to manage feelings of being an impostor it takes way too much energy otherwise
- → My favourite advice is this...

"The brick walls are there for a reason. The brick walls are not there to keep us out. The brick walls are there to give us a chance to show how badly we want something. Because the brick walls are there to stop the people who don't want it badly enough. They're there to stop the other people."

— Randy Pausch, The Last Lecture



Thanks for listening!

Please take our survey - later you can see how you compare to others in our community! Please email Paloma Guenes for a link! palomaguenes@gmail.com

Thanks to my collaborators Paloma, Marcos, Teresa, Rafael, Bianca and Alexander - they contributed to this research and to these slides!

And thanks to my mentors and peers and friends for helping me along the way!