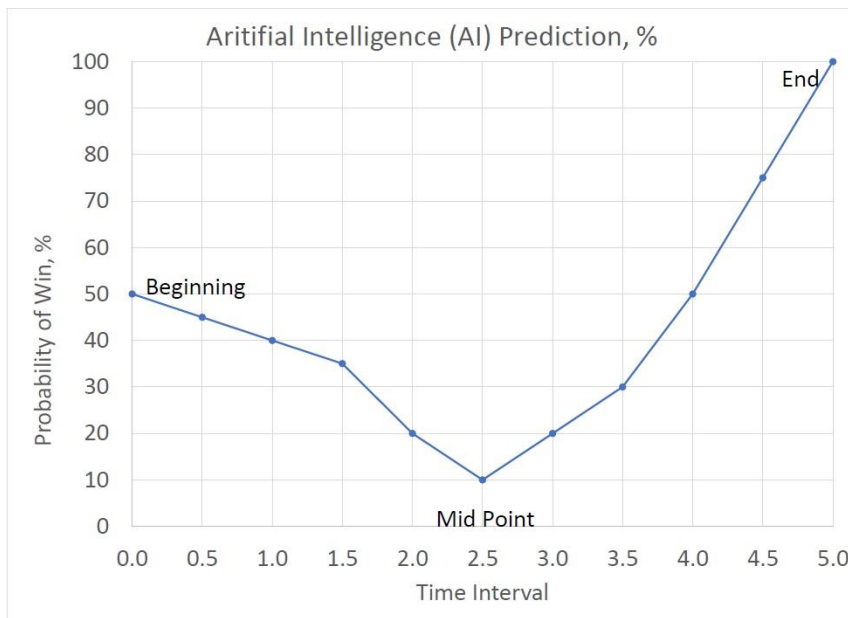


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What does 90% Probability by AI mean?



When the score at midpoint in the 2022 Australian Open Tennis stood at Nadal 2-6, 6-7, 3-4 Medvedev, artificial intelligence (AI) predicted 90% probability of Medvedev win! And then appeared the beast form of Nadal to create history!

Prediction of localized corrosion by models and software should be frequently validated and calibrated by independent measurement, monitoring, and inspection. Overreliance of models, including those by AI, without additional corroborative measures may result in surprises.

Localized pitting corrosion rate prediction software products such as [iFILMS™](#) and [Expedition™](#) are based on the 5-M Methodology and intuitively integrate model, mitigation, monitoring (including inspection), maintenance, and management aspects. Such tools look at the corrosion control at 360° angle.

Raising Star of This Newsletter:

Laura Cardenas Schulz



My Story

My story begins in Venezuela, a country in South America, where I was born and grew up. A place to me that always was, and always will be filled with magic.

At the age of 9, my parents offered me a wider view of the world, and before I knew it, we moved to Germany. We arrived in a country where nobody spoke Spanish, at a time with no cellphones, no internet, and no Google. I had to rely on my broken English, almost non-existent German and a paper copy of the dictionary that went with me everywhere.

The kids at the playground would look at me like I was from another planet. So, I decided to put on a brave face and embrace everything I could about this new experience. Everyone wants to feel accepted and valued - like they belong.

But I discovered that when you are different, you have to put in work to belong. You have to be either really helpful, or smart or funny.

I had to work at learning a new language and work to "fit in". I didn't really think about it at the time, but what made me unique and different in this foreign place, would in the future help me appreciate what makes others different.

When I went back home, I began to understand how this experience changed me. I now speak multiple languages, have navigated unknown places and befriended strangers. This experience gave me a unique sensibility and I had gained my new "superpower".

Professionally, I graduated in 2008 from University of Duisberg-Essen in Materials Technology and took upon jobs at various consulting companies as corrosion engineer and integrity engineer. After spending more than 10 years in the consulting companies, I moved to a large Canadian oil and gas company in 2019 as Lead, Asset Integrity – a position I currently hold.

My Style

I'm friendly, collaborative, humble and adaptable. But also determined, ambitious and driven. I'm passionate about developing others and leading high performing teams.

Things That Excite Me to Continue in the Industry

I have been fortunate enough to have had exceptional mentors throughout my career. They have been great role models, counselors and friends that have helped me develop a sense of personal identity and professional competence, offering me challenging work, increasing my industry exposure, and providing expert advice. I hope to someday become a mentor myself. I believe leadership and mentorship is essential for successful career advancement, especially for women in technical and scientific fields.

I'm excited to be a part of the newly formed AMPP board (previously NACE Board of Directors) for which I was elected in 2022. During my term on the board, hopefully I can influence some positive change and help steer the organization into the future!

Changes I would Like to Make in the Industry

I look forward to more diversity and inclusion in technical and scientific fields. I also believe that as a corrosion community we need step into the future; become more data driven and utilize artificial intelligence (AI) to our advantage.

Advice to Attract Youngsters to the Industry

Inform them of job security this industry has to offer; Corrosion never sleeps, and corrosion control professionals are always in demand!