



# Attendee Resource Packet

May 1, 2025

Thank you to our sponsors:





# MAY1, 2025 SYMPOSIUM



Go far. Do well.

The 4th Annual Wisconsin Digital Symposium is your gateway to mastering digital transformation and driving product-led growth amidst the latest trends like Al-powered automation, generative Al democratization, and the rapid evolution of digital ecosystems. Thank you for being with us.

This resource packet will provide some introductory content for our time together and give you a better sense of who will be in the room with you. Please read on. Our work matters because you matter. Unlocking the potential of our organizations with digital innovation requires your skills and focus. Together, we can meet the future more ready and confident.

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# Today's Agenda

The program takes place on Thursday, May 1, 2025. All times are listed in CST.

8:00 am: Breakfast and Networking

8:30 am: Welcome - Doug Barton

8:35 am: Keynote - Overcoming the Challenges of Al Value Creation

with Michael Proksch, Ph.D.

9:25 am: Accelerating into the Future: Transforming Business Capabilities with Al and

Automation with FarWell

9:35 am: Keynote - Digital Relativity: Designing at the Intersection of Technology, Hardware,

and Humanity with Cortney Rowan and Matt Seitz

10:25 am: How SAP Uniquely Delivers Embedded AI to Drive Business Impact

**10:35 am:** Break and Gallery

10:50 am: Distinguished Executives Panel: Designing and Leading Successful Innovation

**12:00 pm:** *Lunch* 

12:30 pm: Luncheon Lightning Talks

- Jelena Diakonikolas, School of Computer, Data & Information Sciences
- David Dwight, Wisconsin School of Business
- Arissa Sato, People and Robots Laboratory

1:00 pm: Adjourn to Gallery

# **Keynote Speakers**



#### Dr. Michael Proksch

Global AI & Data Expert, Author, and Chief Scientist at AccelerEd

Dr. Michael Proksch is a distinguished AI and Data Executive with a track record of driving large-scale AI transformations and delivering multi-million-dollar business impact through cutting-edge innovations. As a recognized thought leader in the field, he has worked with Fortune 500 companies and currently serves as Chief Scientist, leading AI and data initiatives at AccelerEd, where he spearheads AI-driven transformation for the University of Maryland Global Campus on a global scale. Dr. Proksch is also a bestselling author of The Secrets of AI Value Creation, co-written with Nisha Paliwal (MVP, Capital One) and Dr. Wilhelm Bielert (CIO, Premier Tech), providing strategic insights into AI's role in business success.



## **Cortney Rowan**

EVP, Strategy & Design, Delve

Cortney Thompson Rowan is an accomplished innovation executive and strategist, renowned for driving human-centered digital transformations and delivering significant business impact through intelligent and connected products and services. With extensive experience leading innovation initiatives across diverse industries, including roles as Managing Director for Accenture's North America Smart Connected Products practice and currently serving as Executive Vice President of Strategy & Design at Delve, Cortney has successfully spearheaded multimillion-dollar innovation strategies and transformations for Fortune 100 companies and high-profile organizations such as NASA and the U.S. Marine Corps.

# **Event Hosts and Graphic Recorder**



**Doug Barton**Director, UWEBC

As Director of the UWEBC, Doug Barton provides strategic leadership and operational oversight for this premier university-industry partnership involving 80+ companies across diverse industries. Doug manages practice directors and teams in event and member services, marketing, communications, and sales to ensure the high-quality delivery and continuous improvement of UWEBC's offerings, including peer-to-peer learning forums and advisory services designed to advance thought leadership, innovative business strategies, and emerging technologies.



**Matt Seitz** 

Director of the AI Hub, UW-Madison

Matt Seitz is a leader with a passion for driving growth through technology and Al. A recognized thought leader in artificial intelligence, data analytics, and digital transformation, Matt brings 30 years of experience helping organizations solve business challenges through technology. Matt leads initiatives to advance Al research while fostering industry partnerships and preparing students for Al leadership roles. He also authors a widely-read newsletter on Al and regularly delivers keynote presentations on technology and Al for business.



**Lin Wilson** 

VP of Information Design at LINK, a creative group that untangles complexity, designs change and delivers impact

Lin Wilson tames information chaos with art. He has visually clarified complexity for brands like Trek Bikes, Gates Foundation, and dozens of ad agencies. For live events and meetings, Lin draws pictures of speaker presentations with a service called "graphic recording". These visuals capture the memorable and takeaway points of conference speakers and has done this for companies, a few of the big 4 consultants, Ted Talks and at the Knowledge Summit in Dubai.

# **Distinguished Executives Panel**



#### **Shane Achterberg**

Director, IT Innovation, Automation and Architecture, Schneider

In his current role at Schneider, Shane Achterberg leads AI and RPA initiatives that transform logistics operations. He spearheaded Schneider's enterprise automation platform and predictive ETA models, integrating cloud-based AI to enhance service and efficiency. Achterberg also activates innovation culture through The Grove, a purpose-built innovation center driving cross-functional collaboration.



#### Michele Kaiser

Chief of Staff and Portfolio Manager, ISG, John Deere

Michele Kaiser leads the John Deere's tech stack R&D strategy. She oversees the Startup Collaborator program, driving external innovation aligned with Deere's 2030 Leap Ambitions. A seasoned engineer and executive, she has directed global teams and multi-million-dollar portfolios to deliver sustainable, precision-ag solutions.



**Andrea McGill** 

GM - Global Order Operations, GE HealthCare

Andrea McGill leads global digital transformation initiatives at GE HealthCare. She implemented a unified trade compliance platform that improved visibility across 145+ sites and cut broker costs by 20%, building on prior roles where she led global compliance at Wolverine Worldwide and modernized export processes at Rockwell Automation. Known for integrating people, process, and technology, Andrea drives operational excellence through scalable, data-driven innovation.



**Paul Ryan** 

Chief Digital Officer, Kohler Co.

Paul Ryan leads global digital, data, and shared services transformation initiatives. He is architecting innovations in IoT-enabled products, enterprise automation, and omnichannel commerce to drive measurable business value. With prior CIO roles at Mars and PepsiCo, he brings decades of experience scaling technology and talent for competitive advantage.

# **Lightning Talk Speakers**



#### Jelena Diakonikolas

School of Computer, Data & Information Sciences, UW–Madison

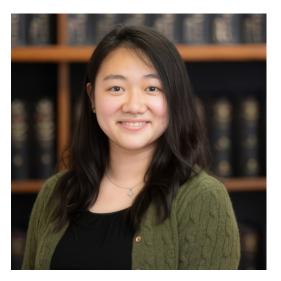
Jelena is an Assistant Professor in the Department of Computer Sciences and, by courtesy, the Department of Statistics at the University of Wisconsin–Madison, and an affiliate of the Data Science Institute. Her research focuses on large-scale optimization and its applications in machine learning and networked systems. Jelena is a recipient of the prestigious NSF CAREER Award for her work on optimization and learning with changing distributions.



# **David Dwight**

Erdman Center for Technology Strategy and Product Management, Wisconsin School of Business

David Dwight is the Director of the Erdman Center, where he teaches MBA and undergraduate courses in technology strategy, product management, and business process improvement. He brings extensive executive experience, having led teams across sales, supply chain, engineering, and operations with a focus on innovation and profitability. David is known for driving sustainable growth, enhancing customer satisfaction, and transforming underperforming business units.



**Arissa Sato** 

People and Robots Laboratory, UW-Madison

Arissa is a Research Associate (Postdoc) in the People and Robots Lab, working with Professor Bilge Mutlu, and the Research Coordinator for the INTEGRATE NSF Research Traineeship Program. Her research focuses on designing Al-powered systems to enhance group interaction, educational interfaces, and remote collaboration with robots. She recently explored how Al agents can support intergenerational co-creation between grandparents and grandchildren through programming workshops.

# Who's Attending Today

As you explore today's digital innovation sessions, take full advantage of the opportunity to connect with a vibrant mix of professionals—seasoned leaders, up-and-coming changemakers, and forward-thinking solution partners. Whether you're sparking new ideas, trading insights, or discovering synergies, every conversation is a chance to grow your network and elevate your perspective. From fellow attendees to speakers and sponsors, the people here today share a common goal: driving meaningful progress. Here's a look at the organizations represented—each one bringing their unique lens to the future of digital transformation.\*

AccelerEd Accuray Alliant Energy Alto Shaam Amcor

American Family Insurance

AprilAire AriensCo

Associated Bank

Baker Tilly Blain Supply

Blain's Farm and Fleet

Carecentrix certAlnify Clarios CNH Capital CNH Industrial Colony Brands, Inc.

Compeer

Connective Consulting

Customertimes Decision Spot

Delve

Department of Employee Trust Funds

Douglas Dynamics

Expedient FarWell Findorff

GE HealthCare

Generac

Godfrey & Kahn Harley-Davidson

Honeywell Intelligrated

Hy Cite

13 Product Development

Inpro Corporation

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Turnpoint Services UW Credit Union

UWEBC Vollrath

Werner Electric Supply
Wisconsin School of Business

# Thank you to everyone who made this event possible!

Thank you to our steering committee, sponsors, campus and community partners for all you've done to make this event a success.

# **Steering Committee**



**Talal Butt**EVP and
Chief Information Officer
Generac Power Systems Inc.



**Sidd Kuckreja** SVP and CTO TruStage



**Kusum Rawat Verma**CIO - Employee Experience
GE HealthCare



Zak Rottier
Director,
Enterprise Data Science &
Machine Learning Research
American Family Insurance

### **Sponsors**





# **Campus and Community Partners**



















Visit go.wisc.edu/digital-symposium for additional information about this event.

# **Continue Your Learning Journey**

Your journey doesn't end here—it's just the beginning. Staying ahead in the digital age means continuously building on what you've learned. Use the energy and insights from today as a springboard to dive deeper into new concepts, sharpen your skills, and expand your impact. Below, you'll find a curated selection of opportunities designed to help you keep growing long after the event wraps up.

# **Open Innovation: Collaborating Beyond Organizational Boundaries**

May 13, 2025, In person at Fluno Center in Madison, WI, or Live Online
The most innovative breakthroughs often come from beyond organizational boundaries.
Join us for a dynamic cross-functional event exploring Open Innovation - a strategy that empowers teams to collaborate with partners across the organization to co-create solutions, and unlock new growth opportunities. For UWEBC members only - Non-members may contact us at info@uwebc.wisc.edu for a guest pass!

Learn more: go.wisc.edu/open-innovation

## More than Authority: Emotional Intelligence in Leadership

June 3, 2025, Online

Join us for this insightful session, where we'll explore real-world examples of emotionally intelligent leadership in action. You'll gain practical strategies to enhance your self-awareness, improve team dynamics, and lead with greater impact. Whether you're a seasoned executive or an emerging leader, this discussion will provide the tools you need to strengthen your emotional intelligence (EQ) and drive meaningful change. Register today and take the next step in evolving your leadership approach! For UWEBC members only – Non-members may contact us at info@uwebc.wisc.edu for a guest pass!

Learn more: go.wisc.edu/emotional-intelligence

# **Tools and Tactics to Recover Troubled Projects**

June 17-18, 2025, In person at the Pyle Center in Madison, WI, or Live Online More often than not, projects do not go according to plan. And, in fact, particularly for complex projects, they can deviate dramatically from the originally required schedule and/ or budget. In some of these situations, failure is not an option – often other projects are dependent on the troubled one. In these cases, it is important to have techniques for recovery in your management toolbox. This course provides the student with these tools.

Learn more: go.wisc.edu/troubled-projects

## **Global Leadership for Technical Teams**

August 19-20, 2025, In person at the Pyle Center in Madison, WI, or Live Online Company leadership, at any level, is today often global in nature. Furthermore, after the COVID pandemic, development teams have been asked to manage these teams with less travel and face-to-face interaction. This course provides the student with all the necessary skills to effectively manage technical teams that span global locations, cultures and languages.

Learn more: go.wisc.edu/global-leadership

## 27th Annual Business Best Practices & Emerging Technologies Conference

September 30, 2025, In person at Monona Terrace or Live Online

This year's event will feature five distinct tracks, strategic briefings, and remarkable keynote speakers, all delivering knowledge to equip you for the future of business and technology. Our speakers will share insights on emerging trends, challenge industry norms, and energize everyone to rethink what's possible in their fields. The passion and enthusiasm at this event create a one-of-a-kind learning experience.

Learn more: go.wisc.edu/uwebc2025

## **Data Analytics for Technical Leaders**

March 2-5, 2026, Online

This course is focused on providing attendees with the methods to drive more effective decisions and actions through data analytics in an industrial setting. The course will emphasize the use of visual methods to achieve this. Course discussion will cover applied use of descriptive, causal, predictive, and prescriptive analytics.

Learn more: go.wisc.edu/data-analytics

These courses are just a small sampling of what's available on the UW-Madison campus. UWEBC members receive an exclusive discount on many courses. Visit <a href="https://uwebc.wisc.edu/special-offers/">https://uwebc.wisc.edu/special-offers/</a> for the full list and to access the discount code.

# Interested in becoming a UWEBC member?

UWEBC members are world-class companies from a broad range of industries who come together in our collaborative community to learn best practices, explore emerging technologies, and develop new competencies in their employees.

Join this vibrant community of world-class companies to experience all the benefits of membership, including more than 60 peer group events a year across five practice areas: customer service, human resources, marketing, supply chain, and technology.

Membership costs are tax-deductible gifts to the university. This contribution gives all of your employees access to our regular peer group learning events as well as our Advisory services throughout the year.

Learn more about UWEBC membership: <a href="https://go.wisc.edu/uwebc-membership">https://go.wisc.edu/uwebc-membership</a>

# Appendix A: Bonus Content from Dr. Michael Proksch



Dr. Michael Proksch is a distinguished AI and Data Executive with a track record of driving large-scale AI transformations and delivering multimillion-dollar business impact through cuttingedge innovations. As a recognized thought leader in the field, he has worked with Fortune 500 companies and currently serves as Chief Scientist, leading AI and data initiatives at AccelerEd, where he spearheads AI-driven transformation for the University of Maryland Global Campus on a global scale. Dr. Proksch is also a bestselling author of The Secrets of AI Value Creation, co-written with Nisha Paliwal (MVP, Capital One) and Dr. Wilhelm Bielert (CIO, Premier Tech), providing strategic insights into AI's role in business success.

Dr. Proksch is a sought-after speaker at industry conferences, sharing insights on AI strategy, innovation, and value creation.

As organizations explore the transformative potential of artificial intelligence, understanding how to strategically unlock Al's value becomes critical. To support your learning journey at the Digital Symposium, we've an essential resource authored by Dr. Michael Proksch.

The **Al Value Creation Cheat Sheet** is a concise, visual reference that outlines the key types of Al value creation, common challenges, and the core capabilities needed for success. It breaks down feasibility and adoption risks, highlights strategic entry points, and provides a high-level snapshot of how organizations can build trust, foster an Al-ready culture, and manage the lifecycle of Al initiatives.

# AI VALUE CREATION CHEAT SHEET

#### **Al Business Opportunity**

Business Opportunity impacted by potential positive financial outcomes and expenses/investments of use case, end-to-end estimation critical for evaluation

#### **AI Feasibility Risk**

Feasibility Risk impacted by technical feasibility, data availability, resources constraints, regulatory and compliance challenges as well as scalability and integration

#### **Al Adoption Risk**

Adoption risk encompass challenges related to resistance to change and cultural transformation; critical to contemplate value creation for all stakeholders involved

# Al-driven Process Optimization

Low hanging fruit use cases with lower opportunity and lowest feasibility and adoption risk

# Al-driven Decision Making

#### Al Decision Augmentation

Generation of actionable insights for human decision making, lower risk and some opportunity

#### Al Decision Automation

Al's decision making with optimization of actions taker very high risk and high potential opportunity

Al Enterprise Integration

# Al Products & Services

Highest business opportunity as not limited to costs of operation, however, highest feasibility and adoption risk to create market fit

#### **Collecting Valuable Data**

Identifying valuable data by going from wisdom to knowledge, to information, to data

#### Creating Actionable Insights

Output-based selection output adaptation, automation

#### Building Stakeholder Trust

Show benevolence, integrity, and ability to create trust

#### Managing Al's Decision Making

Explaining Al's decision making and understand its limitations, focus on simplicity

#### **AI-Centric Elements**

Understanding of the nuances of those elements are critical to unlock AI business opportunities and reduce the feasibility and adoption risks of AI value creation.

**AI-Centric Data** 

Al-Centric Business & Domain Knowledge

Al-Centric Stakeholder Motivation

Al-Centric Algorithmic

#### Crafting an Al Strategy

Al strategy has to align with an organization's aspiration and business focus areas. To be executable, it has to address value creation approaches, required capabilities, and management systems to support the Al initiative.

#### **Leading Successful AI Projects**

Successful AI projects have to consider full project lifecycle and different project development approaches. Most AI projects follow a more agile development approach to work under uncertainty.

#### **Cultivating an AI-friendly Culture**

Consider the various layers of culture and addresses ways to foster an environment that embraces innovation, adapts to Al integration, and supports continuous learning and development to facilitate Al adoption throughout the enterprise.

#### **Technology**

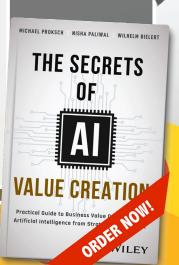
Technological requirements for successful AI implementation, range from critical hardware to software elements. AI pipeline serves as framework including AI algorithm development and deployment. Consider the various technology requirements of building a specific AI solution. Strongly influences feasibility risk.

#### **Data Management**

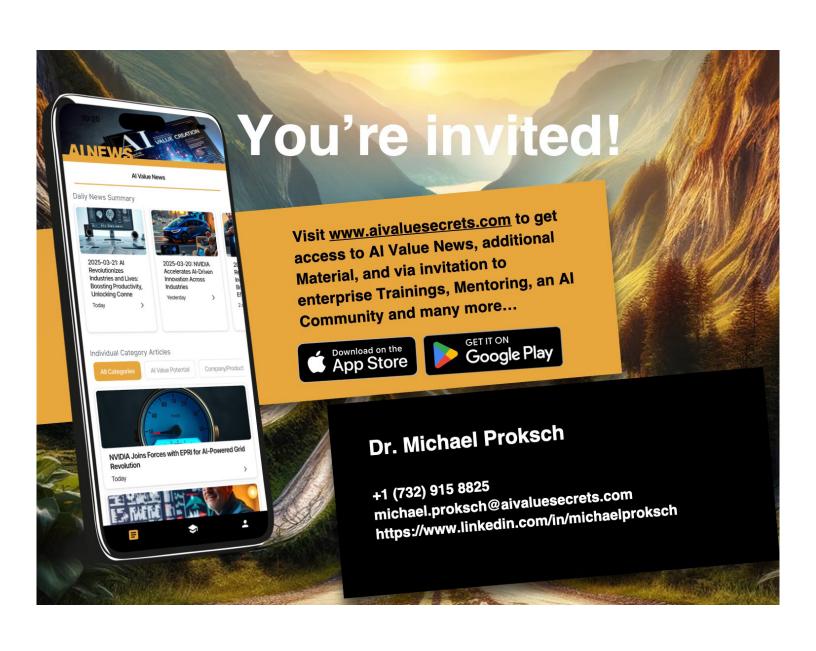
Effective data management is critical for the development of Al solutions. Data management includes data governance, data storage, processing, security, and ensuring data quality and accessibility for Al applications. Failure of successful data management can significantly influence feasibility risk.

#### **Talent**

The human resource aspect of Al initiatives focused on having the right talent, including skills development, team building, and the roles necessary for Al project success. The requirements are not only technical and require soft skills that are not always obvious for the success of Al initiatives. Failure in understanding all talent requirements can significantly influence business opportunity, feasibility and adoption risk.



More Information at www.aivaluesecrets.com



# **Appendix B: Bonus Content from Cortney Rowan**



Cortney Thompson Rowan is an accomplished innovation executive and strategist, renowned for driving human-centered digital transformations and delivering significant business impact through intelligent and connected products and services. With extensive experience leading innovation initiatives across diverse industries, including roles as Managing Director for Accenture's North America Smart Connected Products practice and currently serving as Executive Vice President of Strategy & Design at Delve, Cortney has successfully spearheaded multimillion-dollar innovation strategies and transformations for Fortune 100 companies and high-profile organizations such as NASA and the U.S. Marine Corps.

As a respected thought leader, Cortney's insights have been featured in publications such as Harvard Business Review, MedCity News, and Fast Company, and she has delivered impactful TEDx presentations highlighting the transformative power of empathetic, user-centric design. Her expertise in leveraging digital platforms, AI, and IoT to create breakthrough product and customer experiences positions her as a sought-after speaker at leading industry events.

# **Designing What's Next: Insights from Delve**

In today's fast-paced innovation landscape, launching a successful version one is just the beginning. The real impact—and staying power—comes from how organizations evolve their products beyond that initial launch. To complement the thought leadership you'll hear from keynote speaker Cortney Rowan, we're excited to include this insightful piece from her team at Delve, a leading innovation and design consultancy.

"Innovation Is Ongoing: Next-Gen Product Design Strategies" unpacks the often-overlooked challenges and opportunities of next-generation product development. Drawing from real-world case studies, the article explores how companies can refine user experiences, respond to market feedback, outpace "fast followers," and leverage new technology for deeper customer impact. It's a compelling reminder that the journey of innovation doesn't end with the first release—it evolves through intentional iteration. Whether you're in product design, strategy, or innovation leadership, these insights provide a timely and practical perspective on building long-term relevance through design.





# Innovation Is Ongoing: Next-Gen Product Design Strategies

Version one of a new product is what gets people excited, but versions two and three are what will really establish you as a successful innovator.

Insights & Strategy

Design Strategy

Design

Industrial Design

Taking an existing product to its next generation often has a greater impact on a company's long-term success than the initial innovation. But only if you respect next gen design as its own unique challenge.

**Product Development is Complex** 

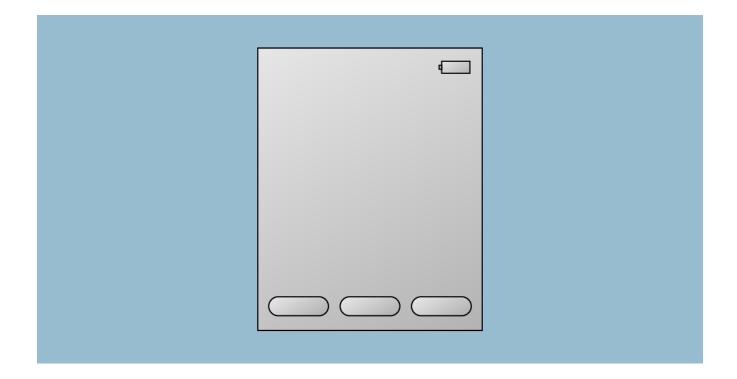


# Why Go Next Gen?

For many companies trying to push the edges of what a product can do, simply getting something to market is an enormous effort. The Minimum Viable Product strategy (MVP) has a lot going for it, but it's rare that an MVP on its own is going to hold market share for very long.

Competition is the most obvious reason to update. If sales numbers on your initial product are slumping, but competitors' are doing well, that's a good argument for a refresh, whether through improved tech, new functions (that users actually want), or a more refined aesthetic — especially if your MVP looks like it was released in a hurry.

Here are some compelling reasons to go next gen:

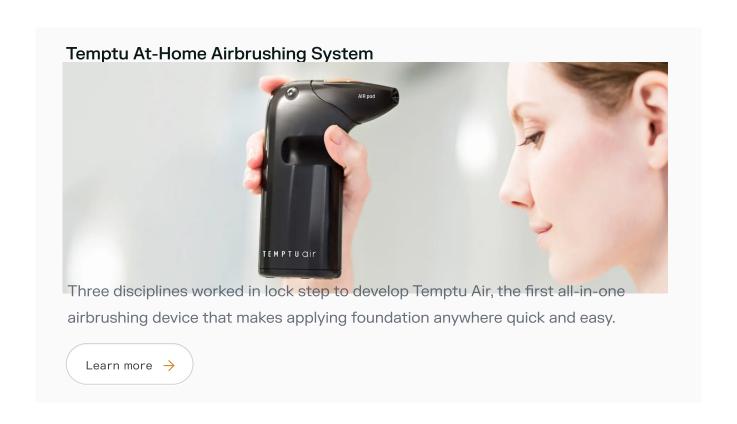




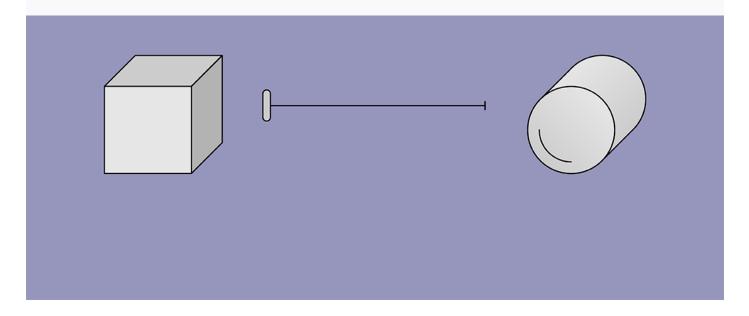
# 1. Technology Advancements

Technology is always improving, offering a steady stream of possibilities for your product: reducing size, extending battery life, cutting costs, or adding features. All of these expand a product's appeal, moving it beyond the domain of early adopters and into the mainstream.

When Delve redesigned <u>Temptu's cosmetic airbrush system</u>, for example, we were able to take a unique product with niche appeal and make it more portable, intuitive, and easy to use, opening it up to a much wider range of customers. Pump and battery technology advancements made this possible.





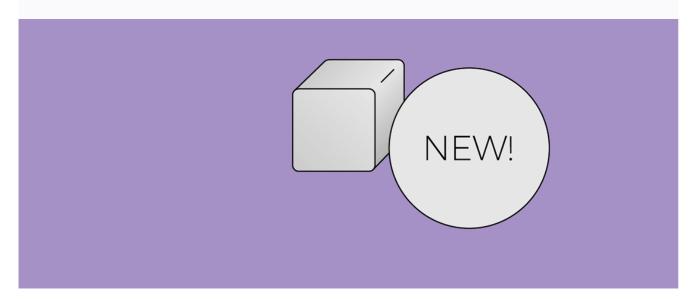


# 2. First Gen Failed To Resonate

In some cases, a truly innovative product may look or work so differently from what's on the market that it fails to resonate with customers. Early versions of the **Honda Insight**, for example — the world's first production hybrid car — were so high-tech looking that people felt self-conscious driving them. It took another couple of years for the **Toyota Prius** to come along, with its just-different-enough aesthetic, and truly break the market open.

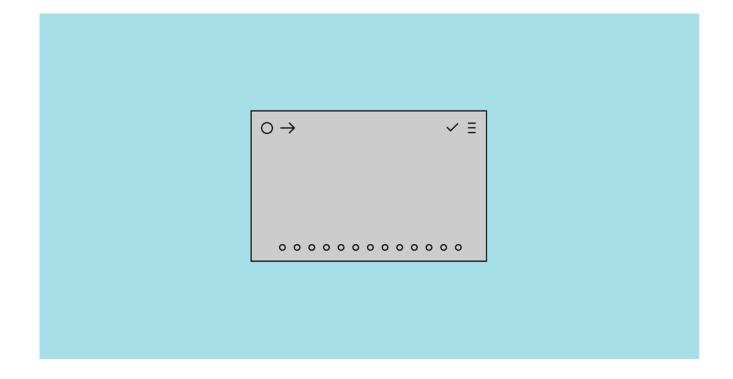
As an innovator, you have the unique advantage of getting to watch firsthand how people react to and use your initial product. With a little well-directed user research, you can learn an awful lot about how to improve the experience it delivers, what features users might want in a second version, and what can be pared down or removed. Implementing these changes is a relatively low-cost, low-risk way of providing a UX that earns real love.





# 3. To Scoop "Fast Followers"

"Fast follower" products can be a headache: plenty of companies have done well for themselves by waiting for others to innovate, then swooping in with a cheaper, slightly more mature product a few months later. Developing your own next gen product can help stave this off.



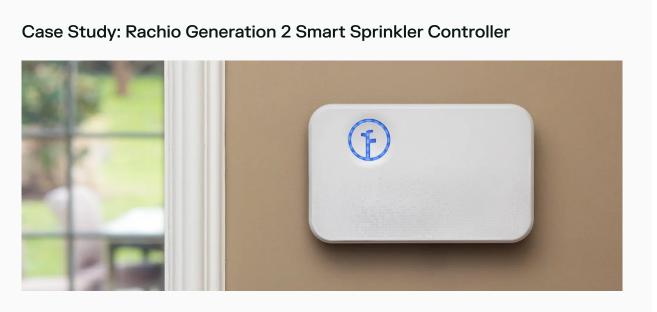


# 4. To Improve User Experience

The best reason for a next gen design might be an improved user experience (UX). Rachio, a smart sprinkler system manufactured by a startup that Bresslergroup has worked with for several years, offers a good example.

Rachio's first generation was a classic MVP, offering some unique functions (a smart, Web-connected sprinkler system that could adapt to changing weather) in a no-frills package. The initial product was a hit with early adopters, willing to accept certain functional limitations and a nearly non-existent interface in exchange for a truly game-changing product.

Looking closely at what those early adopters were doing with their Rachio units, and what they wished they could do, gave some clear ideas on how to improve the UX in the next round. Rachio's version two allowed direct control of the unit (not just via app), an easier installation process, and greater WiFi reach — and sold dramatically better than version one.



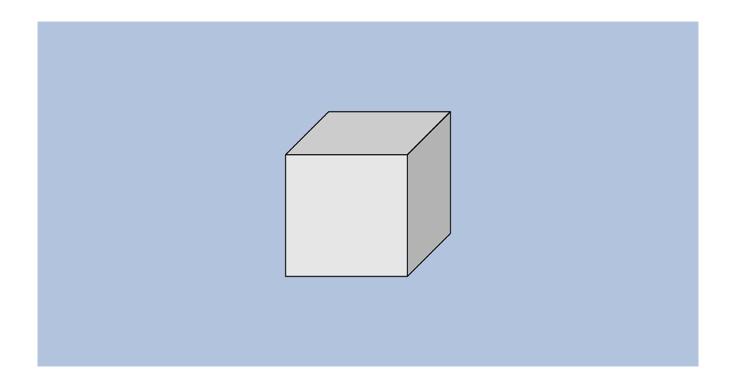
We worked with a Colorado-based startup to take their first-generation IoT product and redesign it for lower cost, larger volumes and better performance.



The approach was so successful, in fact, that Rachio now has a dedicated User Research team on staff — an unusual investment for a small startup, but one that's yielded huge returns, especially now that version three is on the market.

# How To Approach Next-Gen Product Design

Evolving a product to make it more competitive can take many different forms, but in our experience, most next-gen redesigns fall into a few common categories, each with its own advantages.



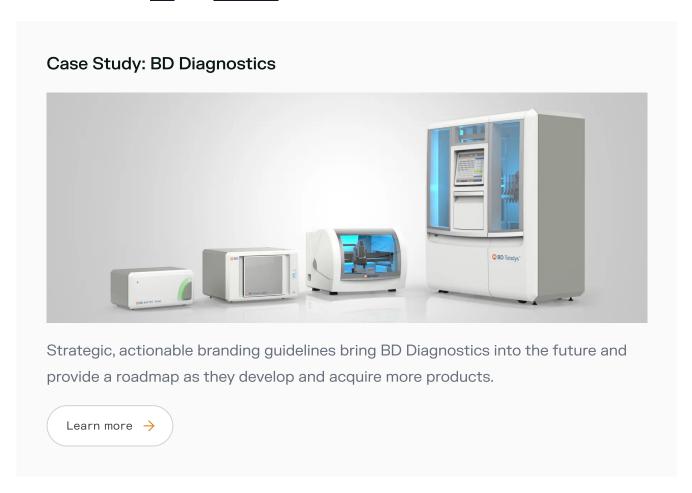
# 1. Give It A New Look

A new form factor is an obvious place to start. The technology inside makes the product work, but the external form is what people touch and see. Updating that

form is the most direct way to show them your product is grown up and here to

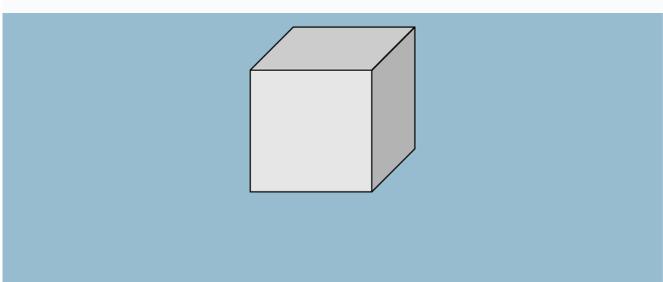


An aesthetic redesign can also help bring a new product into line with a coherent visual brand language, something Bresslergroup has done numerous times for clients including **BD** and **PetSafe**.



A coherent visual brand can create a network effect, adding legitimacy to each product in the line, and inviting one product's customers to embrace another as their needs grow.





# 2. Refresh the Electronics

Refreshing the electronics can serve as both a cost-saving measure and a way of adding function, especially given the speed with which off-the-shelf components are improving.

<u>Trice Medical's mi-eye+ arthroscopic probe</u>, for example, got an update from Bresslergroup that switched out its custom display for a modified Surface tablet. This not only cut manufacturing costs significantly, it also opened up software options that let us improve the UI and expand the device's capabilities.

Case Study: A Needle You Can See With





Delve helped Trice Medical take their innovative camera technology and develop it into a straightforward, fully integrated solution.



As products age, companies are often forced to switch out individual electronic or physical components in manufacturing, to replace obsolete ones or take advantage of price reductions. At a certain point, this can actually become more expensive than redesigning the entire product with new components in mind. Knowing when that tipping point is reached is crucial to long-term product success, and in our experience, companies are more likely to wait too long than redesign too early.



# 3. Redesign the App

Since so many products these days also have a digital component, redesigning the app can be a relatively quick, low-cost way of refreshing a product. Customers have gotten accustomed to apps that update every month or two, so last year's digital experience (on a smartphone or the device itself) can make a product feel dated.

A redesigned app offers another advantage as well: it's a way of field-testing new features, UI elements, or visual designs. The rapidly changing landscape that makes users expect frequent updates also makes them fairly comfortable with digital change, so you can use an app as a kind of design sandbox, then take cues from it later on when you're ready to commit to a physical redesign. For many products, two to three rounds of app update per physical redesign is a ratio that works well.

# **Innovation Is Ongoing**

Innovation is an ongoing process, and the truly successful innovators are those who view a new product not as the end of a design process, but as the beginning of a refinement process.

We'll always love reading about what's new and novel in products, but when it comes time to open our wallets, we're more likely to go for the product that's benefitted from time and careful improvement.

This article was written by Mark Clark.

# Our Product Design and Development Expertise

Delve's experts in insights, strategy, design, and engineering can guide you through an end-to-end innovation process that delivers results



# **Appendix C: Wisconsin School of Business AI Hub Resources**

#### Contributed by Matt Seitz, Director of the Al Hub at UW-Madison

This snapshot from the Wisconsin School of Business AI Hub offers a glimpse into some of the engaging content and thought leadership coming out of UW–Madison, including a bite-sized AI newsletter and an upcoming webinar series. As a trusted partner, we're excited to connect you to these insights—and we're here to help you get the most value from them.

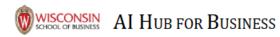
Join the weekly "explAIn it like I'm busy" newsletter here: **go.wisc.edu/explAIn-newsletter** 

## WSB AI Hub Resources



"explAIn it like I'm busy"

Weekly newsletter covering the latest developments in Al with an easy-to-read, engaging and fun format



# Al Webinar Series coming this summer

**Goal:** Empower WSB stakeholders with the latest AI trends and business impacts.

- 1. What is happening with AI?
- 2. How does it affect business?
- What should I do about it?

**Format:** One-hour webinars with faculty presentation, industry speakers and discussion.

**Topics:** Marketing, product management, supply chain, big tech, etc.

# **Appendix D: Resources for Innovation**

Innovation thrives on continuous learning and fresh perspectives. To help you extend the insights shared during today's discussions, our distinguished executive panelists have curated a list of websites they personally recommend as valuable resources for staying at the forefront of innovation. We invite you to explore these tools, publications, and thought leadership platforms as you continue to drive transformation within your organization.

#### 40 Chances | Book by Howard G Buffett, Howard W. Buffet

40 Chances is an inspiring manifesto...both an informative guidebook and a catalyst for igniting real changes (Booklist) in the struggle against world hunger.

#### TRANSFORMED: Moving to the Product Operating Model

Transform your product organization to the product operating model used by the world's most innovative tech companies.

#### Acquired Podcast

Acquired goes behind the scenes of the biggest tech IPOs and acquisitions of all time. Hosted by Ben Gilbert and David Rosenthal.

#### Zero to One by Peter Thiel, Blake Masters

Zero to One: Notes on Startups, or How to Build the Future is a 2014 book by the American entrepreneur and investor Peter Thiel co-written with Blake Masters.

#### The AI Daily Brief

A daily news analysis show on all things artificial intelligence. NLW looks at Al from multiple angles, from the explosion of creativity brought on by new tools like Midjourney, ChatGPT and AutoGPT to the potential disruptions to work and industries as we know them to the great philosophical, ethical and practical questions of advanced general intelligence, alignment and x-risk.

## ThursdAI - all the best AI news from the last week

There are a million new AI tools, updates, open source models that are better every week, APIs, and startups.

# Keynote Speaker



# Dr. Michael Proksch

Global AI & Data Expert, Author, and Chief Scientist at AccelerEd



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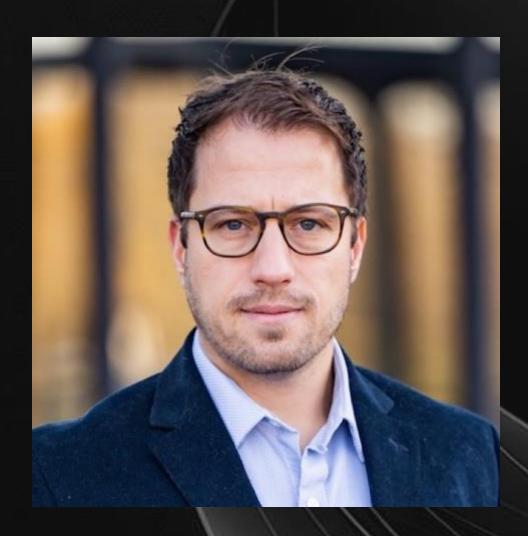












Renowned transformation and AI expert, mentor for Fortune 500 organizations, bestselling author of "The Secrets of AI Value Creation" together with Nisha Paliwal (MVP Capital One) and Dr. Wilhelm Bielert (CIO Pemier Tech), Scott Hallworth (CDO HP), Das Dasgupta (CDO Starbucks), and many more...

## **Professional Experience:**

- Chief Scientist, leading Data Management & Data Science at AccelerEd, spearheading AI transformation for University of Maryland Global Campus
- Developed Al Solutions for Fortune 500 companies and led Consulting, Engineering, and Data Science teams globally
- Managed Data & Al operations globally

# **Educational Background:**

- Doctoral Degree in Economics
- Master's Degree in Business Administration



# The Definition of AI from AI Achievers

"Some people call this artificial intelligence, but the reality is this technology will enhance us. So, instead of artificial

"Al at its boart Al :

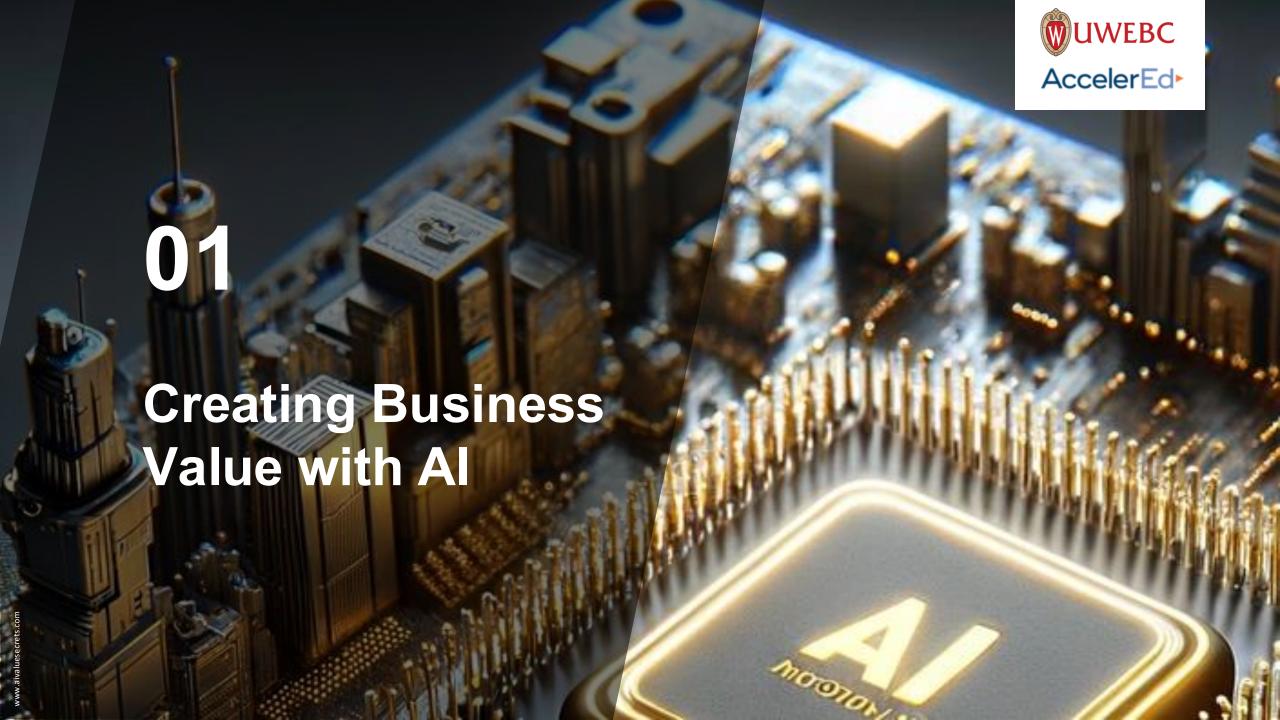
# YOUR MINDSET MAKES THE DIFFERENCE

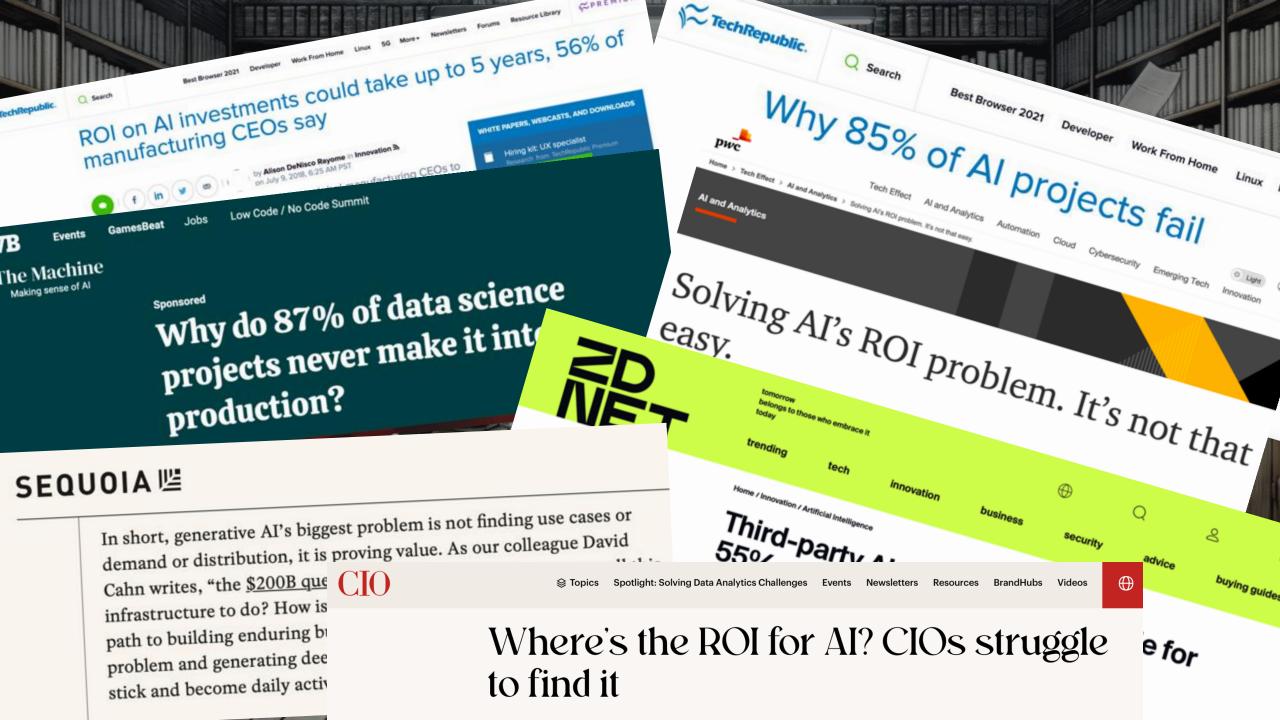
AI is a human-like partner in decision making and as integral part of the daily life of the employees of their organization

almost a humanities discipline. It really is an attempt to undorstance almost a human intelligence and human cognition." - Sebastian Thrun (German innovator, entrepreneur and computer scientist)

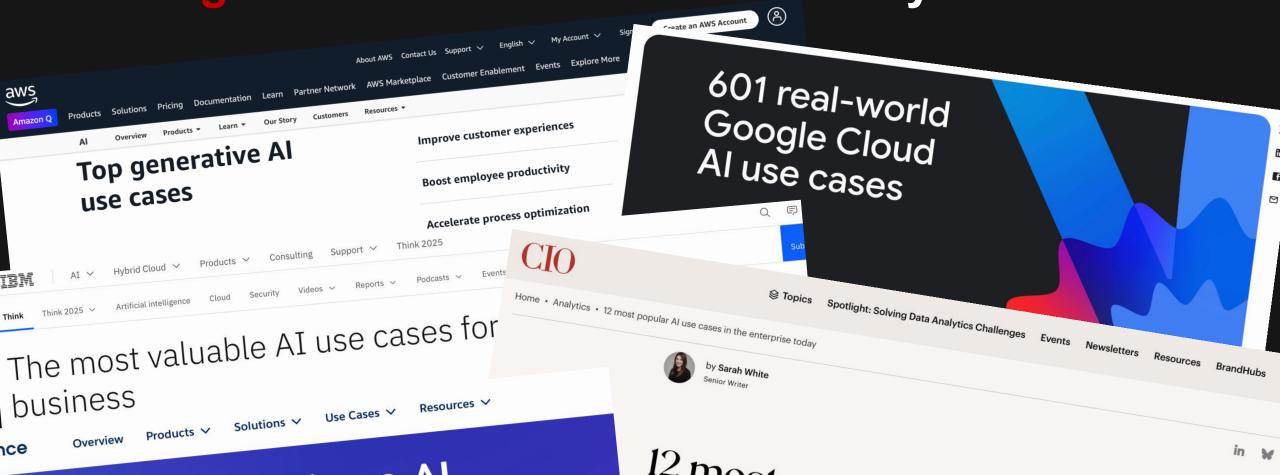
Musk (Inventor, Investor, CEO & CTO of SpaceX, CEO of Tesla Inc.)

Who or What is Al, and Why Am I Hiring It?





Missing Al Value Creation with Industry Use Cases



#### Salesforce Al **Use Case Library**

Get inspired to get more value from AI. Browse practical use cases for out-ofthe-box and custom AI solutions for any industry.

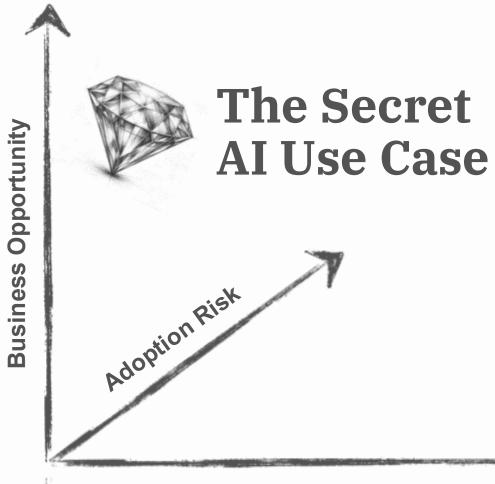
12 most popular AI use cases in the enterprise today

Sep 19, 2023 • 10 mins

# The 3 Factors of Al Value Creation

The Al Value Factor Approach:

- Evaluates Al use cases by balancing potential future business opportunities against risks that might diminish their potential
- It involves considering AI business opportunity, AI adoption risk, and AI feasibility risk.
- Sustainable value creation in Al involves creating a balanced portfolio of use cases, including both low-risk, low-opportunity cases and high-risk, high-opportunity visionary cases



Feasibility Risk



02

Overcoming the Challenges of Al Value Creation

#### AI - the unknown Partner

Known unknown

Known known

Unknown unknown "There are things we know that we know. There are known unknowns. That is to say there are things that we now know we don't know. But there are also unknown unknowns. There are things we do not know we don't know."

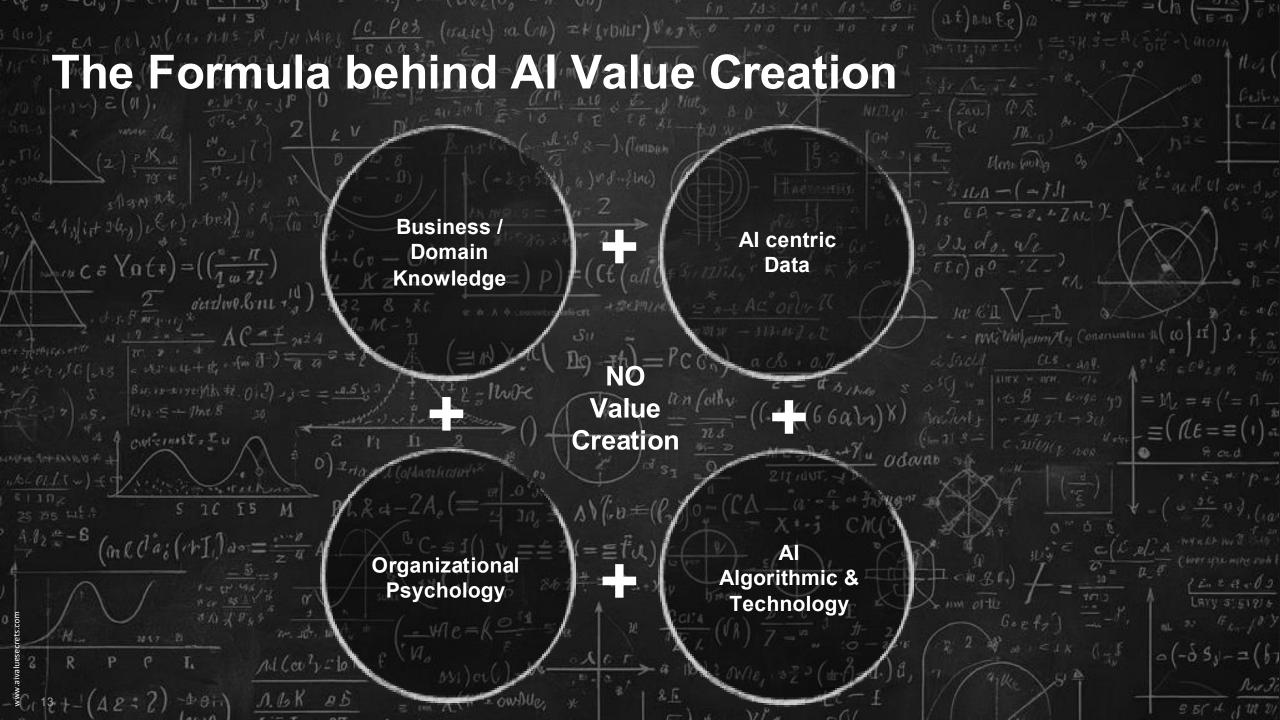
Donald Rumsfeld, former US Secretary of State of Defense

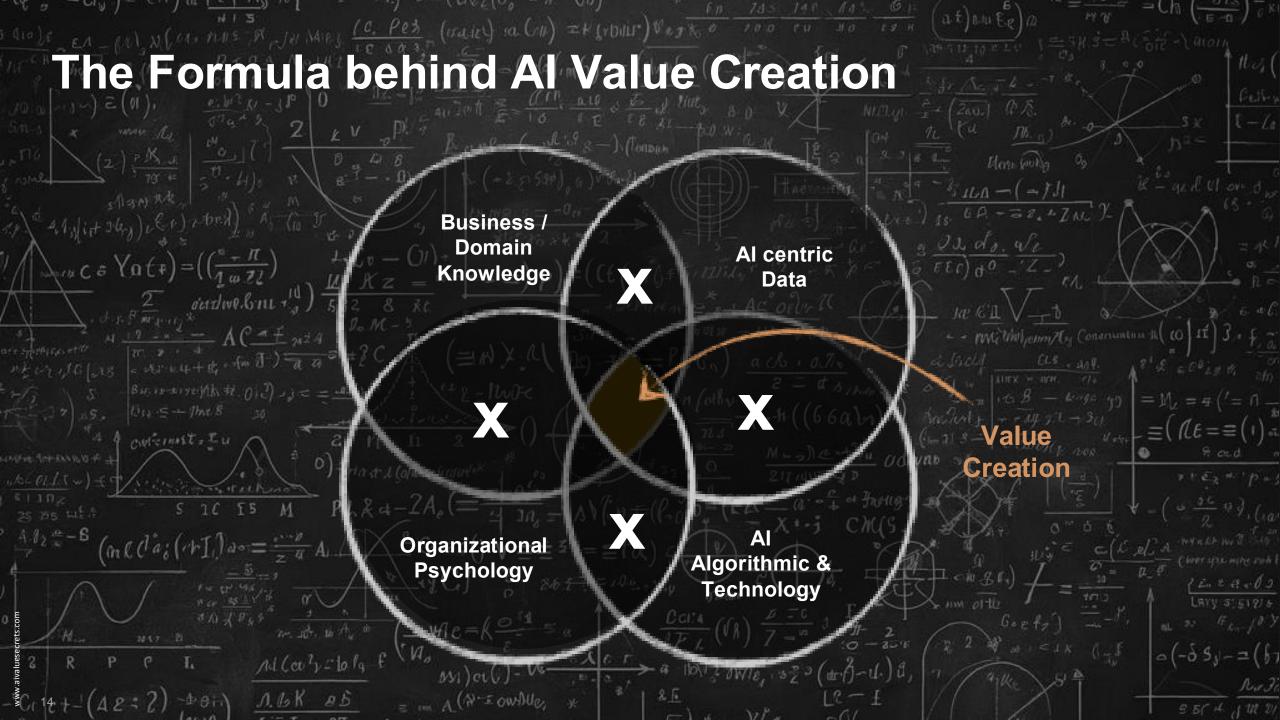
Knowledge



# Forbes

There is increasing awareness that the greatest problems with artificial intelligence are not primarily technical, but rather how to achieve value from the technology. This was a growing problem even in the booming economy of the last several years, but a much more important issue in the current pandemicdriven recessionary economic climate.







#### The Journey of Al Achievers

Data-Driven
DecisionMaking

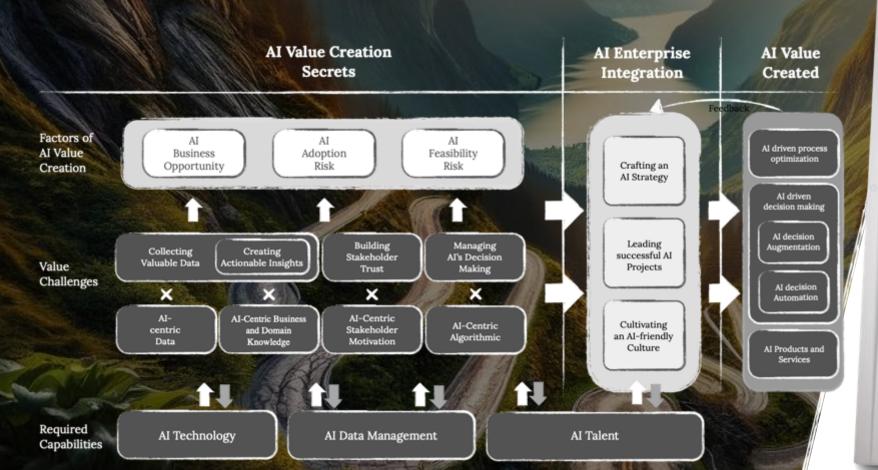
Continuous Business
Intelligence on
Important company KPIs,
one source of truth,
data literacy

Supporting
Human DecisionMaking

Al as provider of business opportunities, relevant insights, recommender of actions Exceeding
Human
DecisionMaking

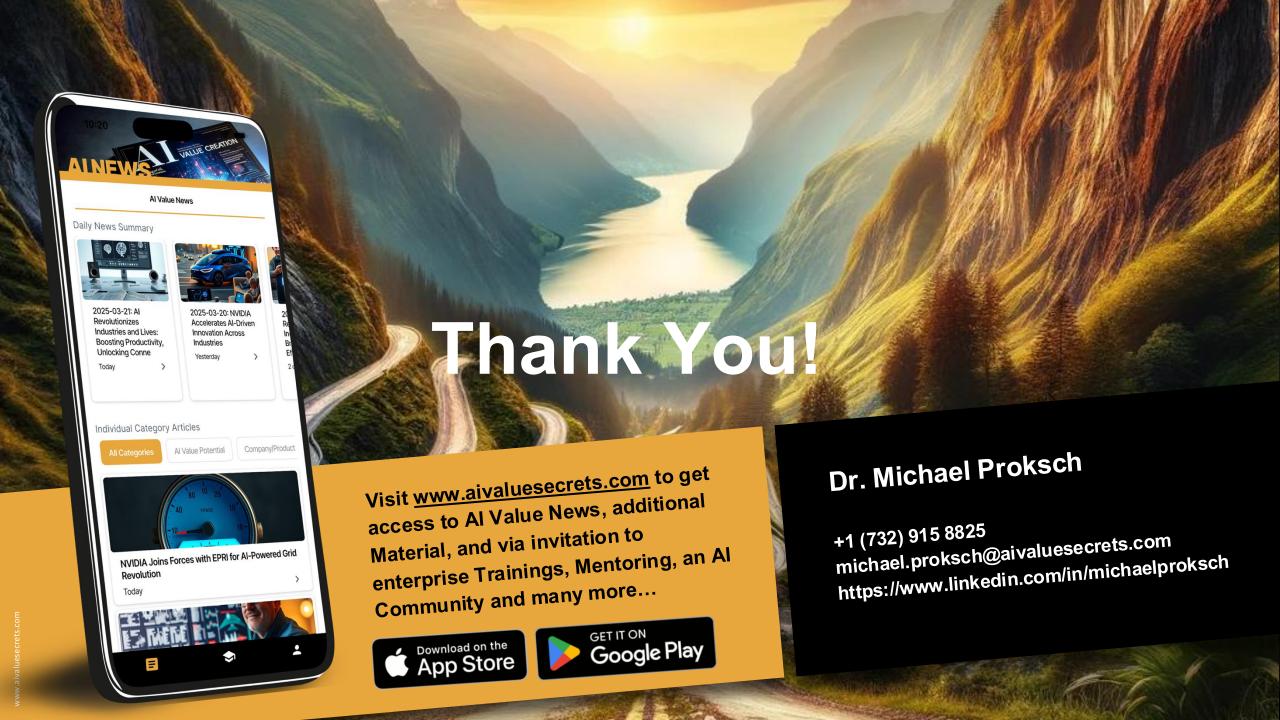
Al as trusted partner making its own decisions beyond human capabilities under limitations and control

#### Your Al Journey Success Framework



MICHAEL PROKSCH NISHA PALIWAL WILHELM BIELERT THE SECRETS **VALUE CREATION** Practical Guide to Business Value Creation with Artificial Intelligence from Strategy to Execution

WILEY



## **Keynote Speaker**



## Cortney Thompson Rowan

EVP, Strategy & Design, Delve

Sponsored by









# Digital is Meaningless



# Hardware + Digital + Human Intelligence Perceptibility Adaptability



# Value is at the Intersections...



# Failures at launch











# We do not operate in a combinatory fashion!



Org
Structures
Drive Separate
Behaviors

Marketing

Digital

Hardware

**Finance** 



This is all that really matters





# Fused Innovation Model

Products developed by truly integrated teams achieved 32% higher revenue growth in their first year and were 3.4 times more likely to maintain market leadership positions after three years

(McKinsey Global Innovation Survey, 2023).



## 3 Things Stop Us

Incentives
Learn, act balance
Experimentation vs. expectation



# What literature & Chat GPT is telling us

#### → 45% Faster

Integrated Leadership Companies with cross-functional delivery leaders see 45% faster time-to-market for new products. (e.g., Microsoft's "product trilogy" teams)



Collaborative Metrics
Organizations that weight team success over individual achievement show 38% higher innovation rates.

#### → 61% Less Issues

Agile Integration: Disciplined Flexibility Companies requiring Design, Vision, and Functionality sign-off at each development stage see 61% fewer post-launch issues.

Perspective Training: Building Empathy Teams that undergo regular crossdisciplinary empathy training



## All that matters

2 Mental Models: Creativity + Rigor

Innovation Orchestrators: From Envision to Reality

Impact Obsessed: Chemistry over Control





# 

Not an organizational effort, an innovation effort

Pick people carefully, expect to be challenged

HW + Intelligence + Human... always

Track and measure - the only path to believability



# \$ Delve

### **Sponsor Briefing - FarWell**



#### **Karen Semonson**

Senior Advisor at FarWell

Accelerating into the Future:
Transforming Business Capabilities with
Al and Automation

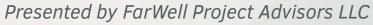


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Karen Semonson

Senior Advisor



#### AI VALUE DELIVERY FRAMEWORK

70% of the success of your AI Deployment has nothing to do with technology

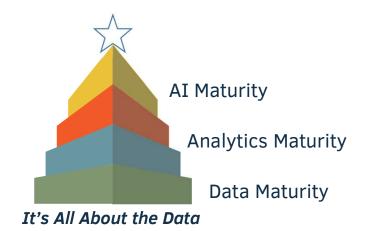
#### **FarWell Strategy to Value-Driving Factors Definitions Execution Services** The tangible and intangible business benefits gained Strategy Management & Planning by implementing and leveraging AI technologies. **Enterprise Architecture BUSINESS VALUE** Organizations are optimizing their operations, **Business Architecture** enhancing decision-making and customer experience, **Business Process & Data Analysis** and gaining a competitive advantage. **Business Process Optimization** The uncertainty or challenge of successfully building Portfolio, Program & Project and deploying an AI project, considering factors like Sponsor & Stakeholder Management FEASIBILITY RISK available resources, time, technical expertise and **Technical Architecture and Operations** necessary infrastructure and support. Talent Development and Training The extent of the stakeholder's motivation to embrace an Al solution. The ability to overcome resistance with Organizational Change Management **ADOPTION RISK** an understanding of the motivation and the creation **Communications Strategies** of value – benefits and risks - for all stakeholders. AI FRAMEWORK | FarWell™ Source: Adapted from The Secrets of AI Value Creation



#### AI VALUE DELIVERY FRAMEWORK | GUIDING PRINCIPLES



- 1. Ask "Why?"
- 2. Develop your AI Strategy
- 3. Think big, start small, scale quickly
- 4. Choose your technology partner or accelerator
- 5. Pace yourself



- Data Maturity: How to effectively manage and utilize data.
- Analytics Maturity: Early stages are about the "what;" advancing to predictive analytics uncovers the "why."
- 3. AI Maturity: The pinnacle of the journey. Leveraging AI to automate processes, personalize customer experiences, increase productivity & efficiency, and uncover insights.

#### AI VALUE DELIVERY FRAMEWORK: SIX STEP APPROACH

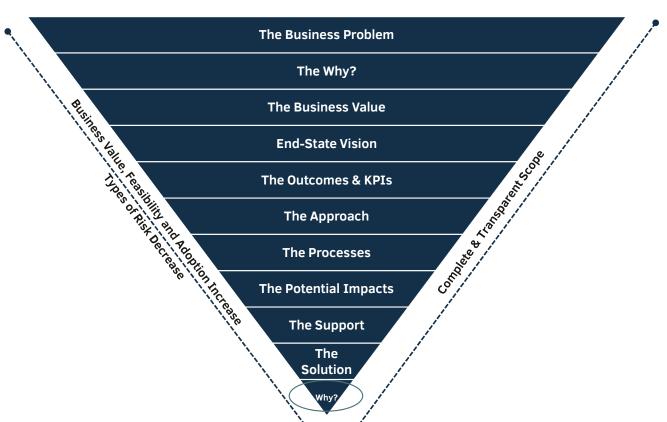


Source: Adapted from Your AI Survival Guide



#### AI VALUE DELIVERY FRAMEWORK | PREPARATION & DESIGNING

#### The AI Pyramid of Scope





The AI Essentials Playbook is a comprehensive list of the most critical considerations for your project and is used along with the AI Pyramid of Scope as the basis for the Solutioning Blueprint.

The biggest opportunity with AI projects is to make sure to accurately scope the project.

#### AI VALUE DELIVERY FRAMEWORK | VALUABLE OUTCOMES

Strategic Goal

The Why?

Business
Capabilities



Maturity

Blueprint

Yes! Business Value Created

**Efficiency Gains** 

Revenue Growth

Data-Driven Insights

Competitive Advantage Yes! Feasible

Technical Complexity

Data Availability & Quality

Regulatory & Compliance

Infrastructure Requirements Yes! Adopted

User Acceptance & Trust

Human Change Management

Cost vs. ROI

Security & Privacy Concerns

#### **LET'S CONNECT**



Karen - LinkedIn



FarWell - LinkedIn



FarWell - Website

https://gofarwell.com/



### **Sponsor Briefing - SAP**



### Sara Stasila

Head of Enterprise Architecture (Midwest) at SAP

How SAP Uniquely Delivers
Embedded AI to Drive Business
Impact
Spons

Sponsored by







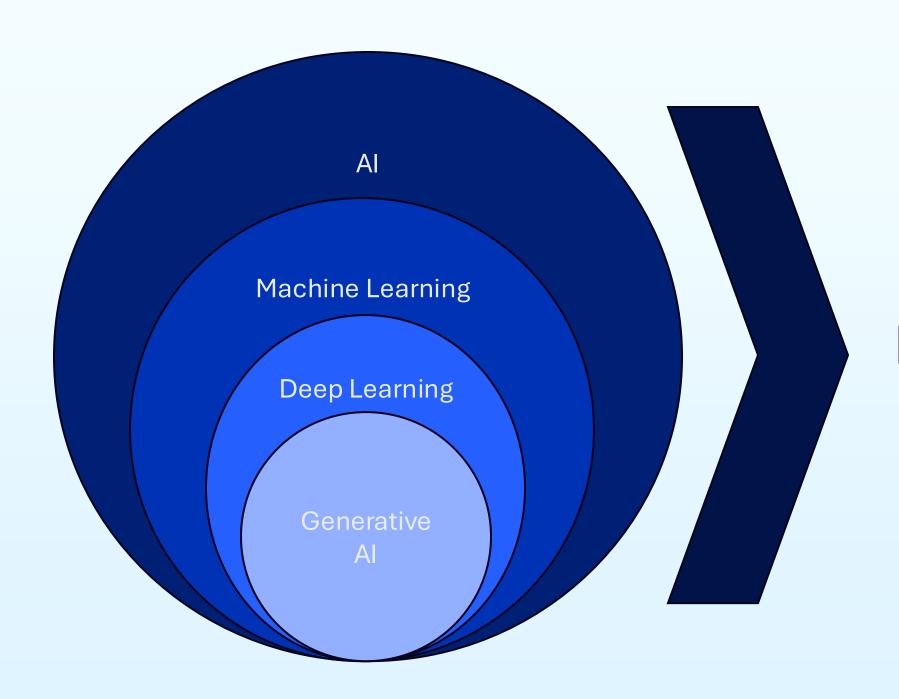
Delivering Business Impact with SAP Business Al



Up to

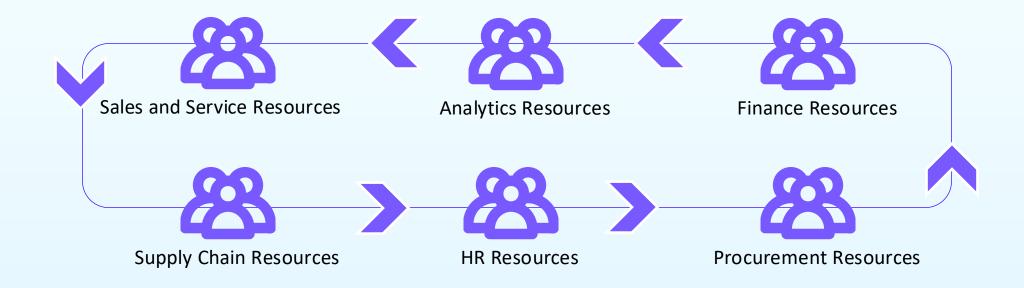
## 4.4 trillion \$

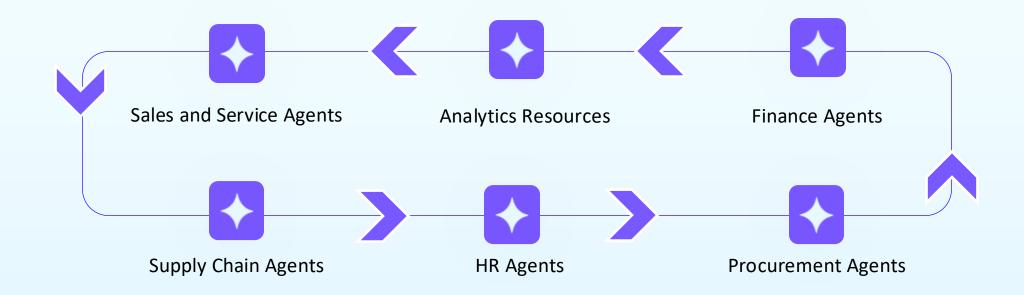
in potential savings for a company of 20,000 employees.



# SAP Business Al

# technology data processes



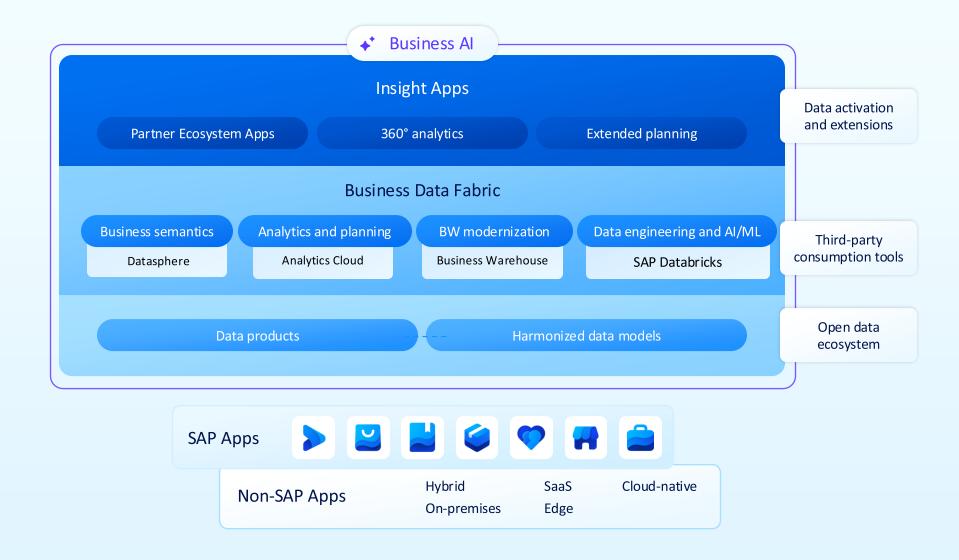


**30% Efficiency Increase** 

### But...

# SAP Business Data Cloud's comprehensive strategy for enterprise data

Delivering the Best TCO with a Clear Path Forward for all SAP Customers



### **Legal Disclaimer**

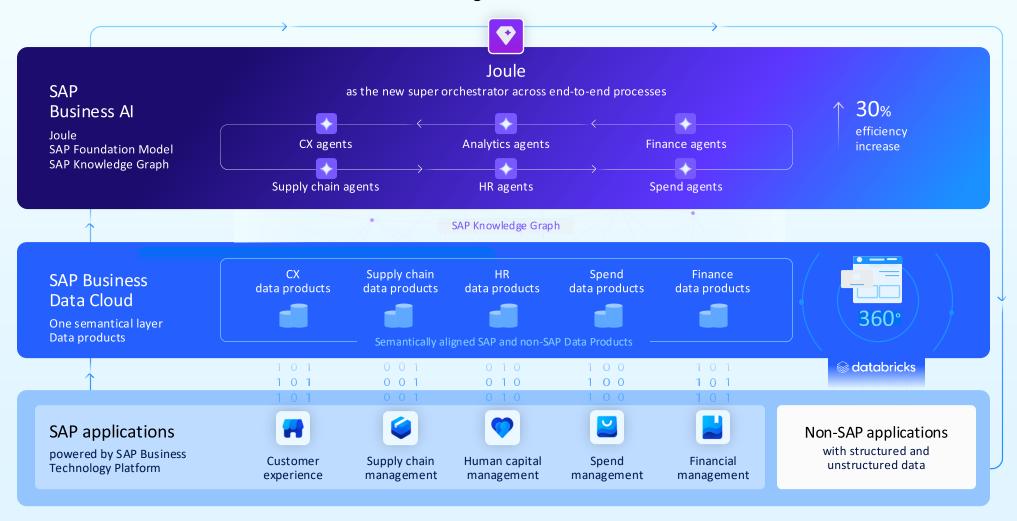
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### Al first and Suite first

SAP delivers market making innovation with SAP Business Suite



### Thank You!

### Lightning Talk



### Arissa Sato

People and Robots Laboratory, UW–Madison

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# INTEGRATE: Integrating Robots into the Future of Work

UWEBC Lightning Talk May 1, 2025

Arissa Sato, Research Coordinator





Integrating Robots into the Future of Work") trains STEM duate students on the **technical** and **human-centered challenges** in the integration of robots into authentic work environments.





### **Our Vision of the Future of Work**



Approaching technical challenges using advanced robotics, AI, and sensing technologies

Understanding human-centered challenges faced by stakeholders

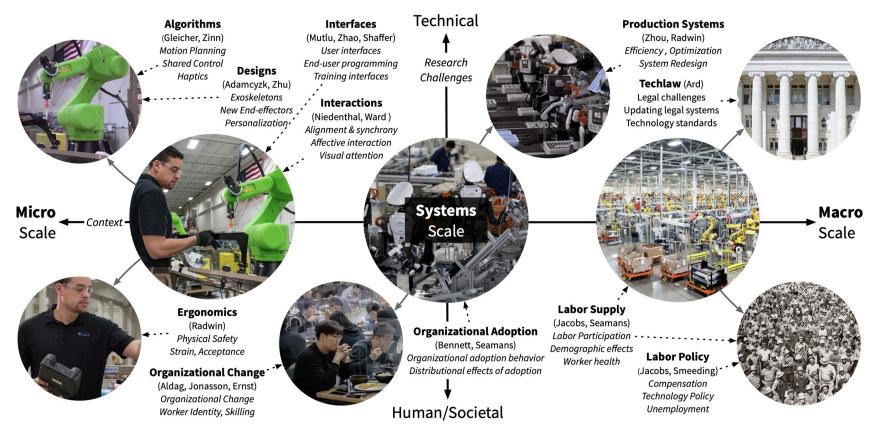
### Integrating Robots into the Future of Work requires...



- Technical advances to create sufficiently capable robots
- Advances in human-centric challenges, e.g., how individuals interact with robots, how societies are affected by automation
- Interdisciplinary teams to effectively identify, design, develop, and operationalize
- Collaboration with industry partners to better understand authentic practices grounded in end user values

#### **Research Challenges**









### **Using a Human-centered Design Approach**

**Observation** 

Ideation

**Prototyping** 

**User Feedback** 

Iteration

**Implementation** 

#### **Human-Robot Interactions: Case Study Examples**





Making Informed Decisions (Sullivan et al., 2024)



Designed by Freepik

### **Exploring Human-Robot Teaming**(Hagenow et al., 2024)



Presentation Phase





Investigating Robot Integration in Construction Environment (on-going)

#### **Human-Robot Interactions: Case Study Examples**





Making Informed Decisions (Sullivan et al., 2024)



Designed by Freepi

**Exploring Human-Robot Teaming**(Hagenow et al., 2024)



Presentation Phase





Investigating Robot Integration in Construction Environment (on-going)

#### **Ongoing INTEGRATE Projects**



How **comfortable** are workers when working with construction robots?



Michelle Marji



Mya Schroder



Christine Lee



Rob Spenceley

How can robots adapt to human movement in construction settings?



Carter Sifferman



Liqun Xu



Noah Schmidt



Aakash Yadav



Hunter McCormick



### **INTEGRATE:**

### Integrating Robotics into the Future of Work



Making Informed Decisions (Sullivan et al., 2024)



Investigating Robot Integration





**Exploring Human-Robot Teaming**(Hagenow et al., 2024)







Arissa Sato (asato@wisc.edu) Research Coordinator

### Lightning Talk



### David Dwight

Erdman Center for Technology
Strategy and Product Management,
Wisconsin School of Business

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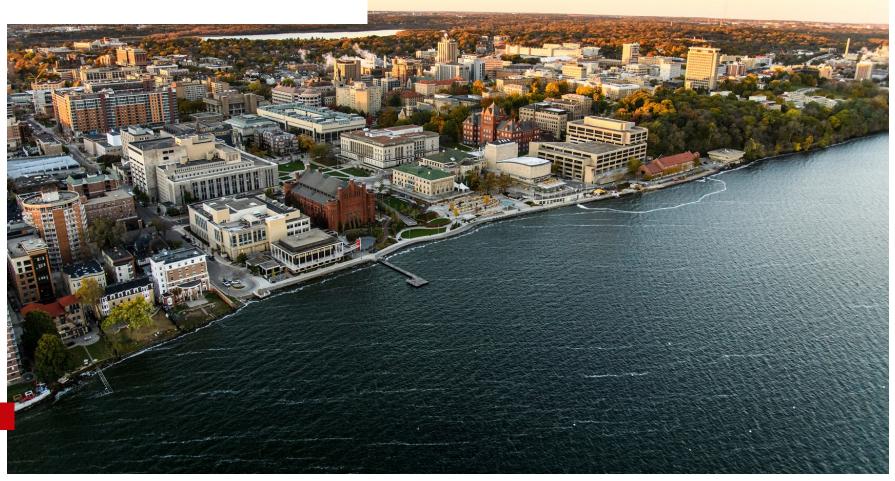




### Lightning Talk: **Product**

Management





**David Dwight** 



### Who I Am and Why I'm Here

#### **David Dwight:**

- 2<sup>nd</sup> year leading the Erdman Center for Operations and Technology Management
- >30 years industry experience
- MBA from Colorado-Boulder
  - Technology and Innovation Management
- BSME from Rensselaer Polytechnic Institute (RPI) in Troy, NY
- Born in Massachusetts and lived in MA, NJ, CO, NY, WI, SC, IN, PA, and WI again

#### **Erdman Center:**

- Home of the Technology Strategy & Product Management (TSPM) MBA
- Curriculum Designed for Product Management









### Segmentation and Targeting (aka why you are here)

Does Product Management Pertain to Me?



Software Tech (the software is the product)



Software Tech (the software is internal to value stream)



Tech-Powered Hard Goods (100% of them have a software, IOT, advanced manufacturing ...)

YES, if you are in the business of technology powered products and services



### Success is In the "Product Team"

#### Product Teams should be dedicated and durable

- Focused on Risks to: Value, Viability, Usability, and Feasibility
- Minimum three People but can be much larger
- Product designer, engineers, and the product manager

#### The product manager:

Responsible for the value and viability risk and is overall accountable for achieving the products outcomes.

#### The product designer:

Responsible for the usability risk and is overall accountable for the products experience—every interaction your user and customers have with the product.

#### The engineer:

Responsible for the feasibility risk and his overall accountable for the products delivery.

"Team of missionaries not mercenaries" – John Doerr

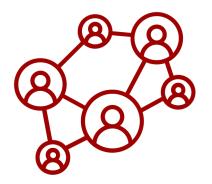


### **Product Manager Leads the Product Team**

#### **Product Teams are:**

- Unsung heroes driving innovation and solutions
- Aligned, manage requirements, balance tradeoffs
- Deeply understand customers' & business needs
- Orchestrate product lifecycle
- Navigate challenges, maintain user-focus
- Blend design, engineering, and business objectives







### The Product Manager is the New GM Product Management is distinct from other disciplines



PRODUCT
MANAGER MUST
DEEPLY
UNDERSTAND ALL
ASPECTS OF THE
BUSINESS



WINNING SOLUTIONS DON'T JUST COME FROM USERS, CUSTOMERS OR SALES



GREAT PRODUCTS

REQUIRE A

COMPREHENSIVE

LIFECYCLE APPROACH

AND CLOSE

COLLABORATION

ACROSS DESIGN,

ENGINEERING,

MARKETING, AND

OPERATIONS TEAMS:



IDEATION,
DEVELOPMENT,
LAUNCH,
ADOPTION, AND
RETIREMENT –
FOCUSED ON
CUSTOMERS AND
OUR BUSINESS.



TRUE LEADERSHIP IS
A BIG PART OF
WHAT SEPARATES
THE GREAT
PRODUCT PEOPLE
FROM THE MERELY
GOOD ONES.



### The Product Manager isn't a Job it's a Career

**Evolution of General Management Model** 

#### **Product Visionaries**

- Focused on Customers
- Delivering Business Needs
- Missionaries Not Mercenaries

**Cross Functional** 

Leadership by Influence

**Diminished Focus on Projects** 

Focus on Products that Meet Customer Needs and Business Objectives

**Diminished Focus on Planning** 

Focus on Performance, Vision, and Agility for the Lifespan



This is the Journey we will foster with the Product SIG at UW-EBC



### **Learn More about The Erdman Center and the Technology Strategy & Product Management MBA**







Follow Us on the Erdman Center LinkedIn Page







**Erdman Center Web Page** 



UNIVERSITY OF WISCONSIN-MADISON



**TSPM MBA Program** Web Page

Learn More About Us

### Lightning Talk



### Jelena Diakonikolas

School of Computer, Data & Information Sciences (CDIS), UW-Madison

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Optimization Theory and Algorithms for Machine Learning

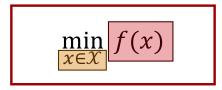
Jelena Diakonikolas (Computer Sciences, UW-Madison)

Wisconsin Digital Symposium, May 2025

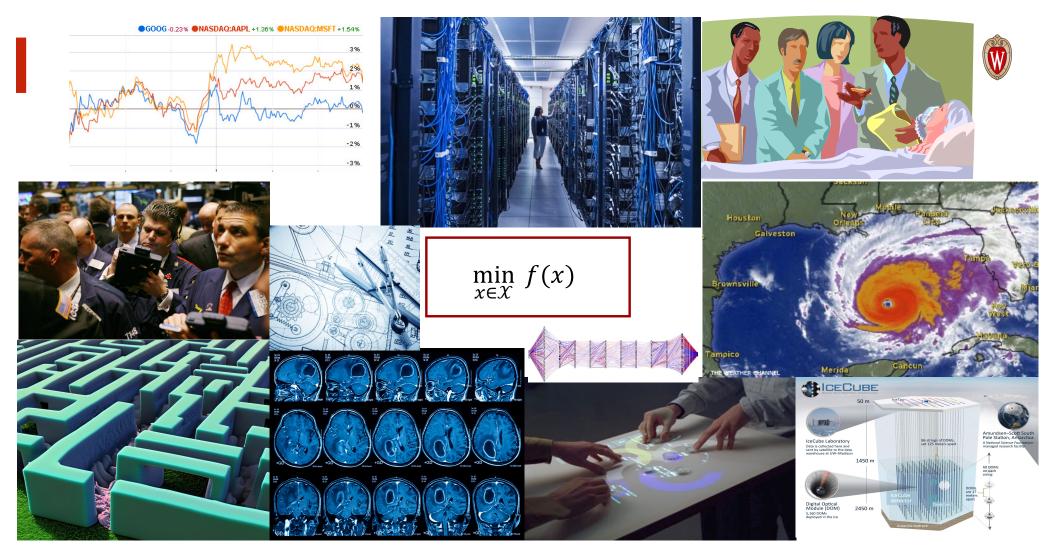




objective function (loss/cost/model misfit)



feasible set (encoding "meaningful" solutions, typically in a high-dimensional space)

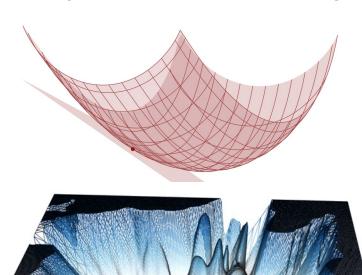


Jelena Diakonikolas (UW-Madison CS)

Optimization Theory & Algorithms for ML

### Some problems are easy...

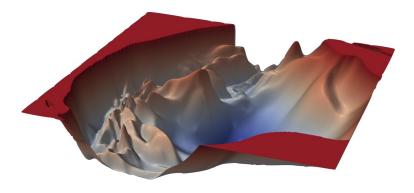








...but some problems are really hard!



### Optimization Questions | Study



What kind of optimization problems are "easy" or "hard"?

What kind of algorithms are the "right" ones to use?

How data/computation efficient are those algorithms?

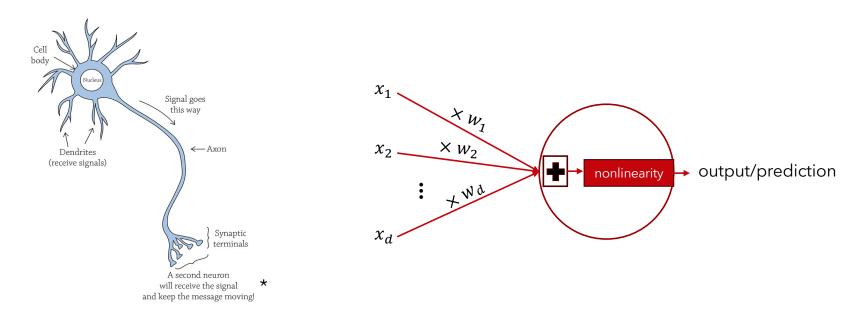
Are they robust to noise/errors?

## A "Simple" Example

### Learning a Single Neuron

### Learning a Neuron (One Hidden-Layer Neural Network)





We train huge neural networks, with many neurons, every day.

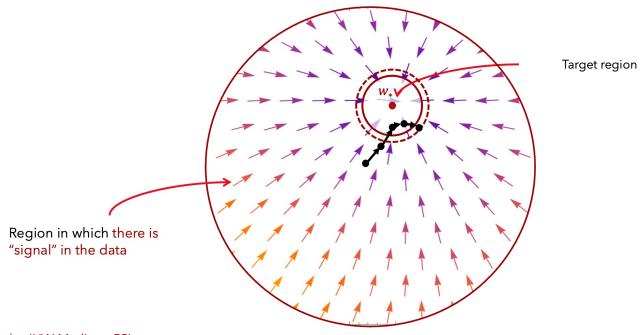
But strong impossibility results telling us we cannot learn such models in general. What's the deal?

\*image credit: https://erenow.org/exams/must-know-high-school-biology-2nd-edition/27.php

### Problems We Tend to Solve are NOT Worst-Case



- Data is not arbitrary; it is structured
- What does that tell us about mathematical structures? What are the implications on algorithm design and analysis?



Jelena Diakonikolas (UW-Madison CS)

# Impact on Education

How to prepare the next generation of researchers?

### Removing Barriers to Entry



- Lots of advanced mathematics behind the theory of machine learning
- Too many math courses required to catch up

New course: CS 541: Theory & Algorithms for Data Science

Students learn about things like:

- Why can we learn from data? What makes is predictable?
- What is crazy about high dimensions? ("mass" concentrates on the surface, exponentially many vectors can be "near-orthogonal")
- How much data do we need to solve learning problems?



### How to Get Involved?

An unmet demand for research and applied projects



2694

CS majors Fall 2024

811%

Percentage of growth in number of Comp Sci undergrads in the last 10 years # of core faculty?

~50

\*from https://www.cs.wisc.edu/

### → Lots of unmet demand for research and "real" projects

Wisconsin Science and Computing Emerging Research Stars (WISCERS)

A research-focused mentorship program for undergraduate students



https://wiscers.cs.wisc.edu/

### Get in Touch

<u>jelena@cs.wisc.edu</u>



https://www.jelena-diakonikolas.com/

# Thank you!

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