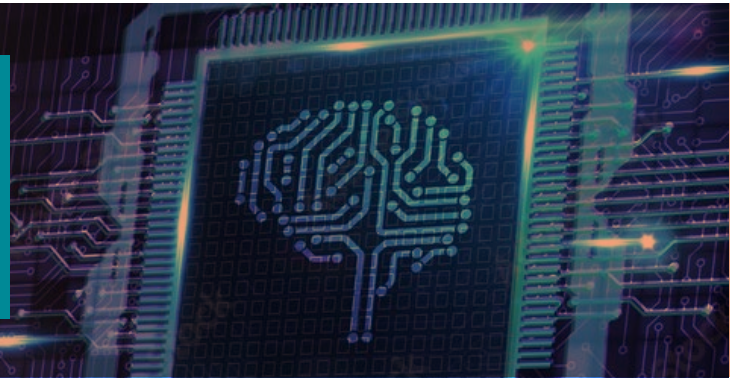


# THE FUTURE OF HOUSTON IN AN AI WORLD



BoyarMiller hosted a breakfast forum featuring lively discourse on Houston's AI-driven future. The banter centered around AI business trends, AI in energy and healthcare, AI workforce training, AI job disruption and AI ethics and compliance.

In a panel moderated by Chairman Chris Hanslik, speakers included renowned Houston experts in AI, healthcare, and energy:



**Scott Gale**  
Executive Director  
Halliburton Labs



**Angela Holmes**  
CEO and AI Strategist  
Mercury Data Science



**Devlin Liles**  
Chief Consulting Officer and President  
Improving - Houston



## Key Takeaways & Tips

- › Don't fear AI, embrace it. Learn how to adapt with it.
- › We are witnessing a transition from being data-informed to knowledge-enabled.
- › Forward-thinking businesses look at AI as a new tool, rather than a magic box that will solve everything. It is going to make things possible or profitable because it compresses labor costs. At the same time, we'll discover new responsibilities and new things to manage.
- › Technology cycles require time for people to understand the value and adopt. Using AI tools with discernment is critical.
- › Fun fact - a Yottabyte has 27 zeros after it.
- › Medical use cases include improved monitoring, diagnoses, and clinical decisions, with more precise treatments based on AI analysis of clinical trials and real world outcomes. Life science use cases include using AI for more intelligence to guide drug development and clinical trial designs.
- › AI use in energy revolves around engineering, biology, and deep science areas as well as fugitive carbon monitoring.
- › AI is taxing the electrical grid. Its impact is 10x that of Bitcoin mining. Some estimates place the energy effort of training large language models as more than the continent of Africa.



## Trends in AI



### AI & Jobs

“An employee who knows how to use AI to enhance their role has the advantage.”

-Devlin Liles

“In biotech, we are focused on improved decision-making to elevate care and accelerate drug development. We are very far from ever replacing humans in these areas.”

-Angela Holmes



### AI in Healthcare, Business and Energy

“AI is going to transform diagnosis, treatment, monitoring, and drug discovery. We’re seeing trends. We’re using predictive analytics and machine learning to crystallize insights created by humans over many years. This gets translated into code and models that aid decision-making going forward.”

-Angela Holmes

“I may automate my accounting, but I will still have to have a CPA sign off on it. AI is not getting rid of humans, it’s just changing the scale for humans.”

-Devlin Liles

**“Houston is largely driven by three large-scale, risk-averse groups — aerospace, medical and energy. It is uniquely positioned in that the workforce possesses hard skills in engineering, manufacturing, and technology.”**

-Devlin Liles



### AI Limitations

“There are many examples where AI and ML (machine learning) models have not been trained on a diverse and representative population. This has consequences. Data has to be representative of the population it is serving. There’s also data drift and the challenge of keeping models up to date.”

-Angela Holmes

“AI tools are leap forwards that are going to disrupt in many places. This comes as we realize the quality isn’t what we thought it was going to be.”

-Scott Gale



Chris Hanslik, Scott Gale, Angela Holmes, Devlin Liles (Left to Right)



## The Future of Houston and AI

“Houston is receiving billions of dollars in grant money to fund new cancer therapeutics. The city is well-positioned as an emerging leader in cell and gene therapy. This is largely the work of MD Anderson pioneering oncology treatments. What’s interesting about that space is the biomanufacturing of cell and gene therapy. These biologic products must be manufactured close to where they’re harvested and administered and Houston has plans to build a biomanufacturing facility.”

*-Angela Holmes*

“I like to describe Houston as the city of explorers scouting energy, space and the human body. We also have the Port of Houston and are hosting the largest sports tech conference in the world next year. So with the number of things that are happening in and around the startup community in this area, I’m optimistic.”

*-Scott Gale*



“The idea of fluid dynamics from oil and gas applying to cardiovascular health — this cross-pollination only happens in Houston because it’s the only place that has the density of those two industries.”

*-Scott Gale*

“Houston industries move geopolitics. When you talk about the medical industry driving innovation and healthcare outcomes, it can significantly change the economic outlook for the third world.”

*-Scott Gale*



### About BoyarMiller

BoyarMiller is a mid-size Houston-based law firm that advances client business goals by bringing new possibilities into focus with confidence and clarity to achieve extraordinary outcomes. Since 1990, we have been providing practical and smart business solutions. Our firm is comprised of three practice groups—corporate mergers and acquisitions, real estate, and litigation—and we serve multinational companies, middle-market businesses and entrepreneurs in need of collaborative and strategic representation. See [boyarmiller.com](http://boyarmiller.com) for more information

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