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A Message From Leadership

This has been a summer of great challenge for our Nation. But challenges always present opportunities for Americans to step up and shine.

Here at AITO, that means focusing our efforts on harnessing the power of AI to save lives.

From the ongoing all-hands-on-deck effort to combat the spread of, and find a vaccine for, COVID-19, to the return of wildfires in the West, and hurricanes to the Atlantic and Gulf coasts, and even in the search for cures for cancer, AI is playing an increasing role in how we fight diseases, and how we respond and recover from natural disasters.

This edition of AI @ Energy will focus on recent exciting announcements our office has made to do just that.



Earlier this month, we [announced](#) the formation of the First Five Consortium – a public private partnership AITO is leading with our Microsoft – to develop and arm our Nation's first responders with AI-powered tools designed to help them respond to wildfires, severe weather, and floods with near real-time information. [First Five](#) is growing as leaders from government, the tech industry, academia, and the emergency response community are stepping forward to help us get "Tech when it Counts, to Those We Count on!"

DOE also unveiled an unprecedented data-sharing agreement with the Departments of Health and Human Services, and Veterans Affairs to use *Summit*, America's most powerful supercomputer, to mine their vast amounts health care data to aid in the fight against COVID-19. The [COVID Insights Partnership](#) is already showing great progress, and we're looking forward to the publication of early findings soon.

DOE's national labs are leading the way in this effort to use AI to save lives as well. Lawrence Livermore just paired one of its fastest computers, *Lassen*, with the world's largest AI computer chip to take our research in diseases, like cancer, to the next level.

It's been a busy month at AITO to be sure. But there is so much more that our office, and our enterprise, can – and will – do to continue to realize the power and the potential of AI to save lives.

As always, thanks for your interest in our work.

Be Strong and Stay Well,

Cheryl Ingstad
Director
Artificial Intelligence & Technology Office

Our Top Story



Read about the First Five Consortium in the *Wall Street Journal* [here](#), and check out a blogpost by Microsoft Federal's Chief Technology Officer, Susie Adams, (below).

[Read More Here](#)

This Month's Highlights



Read about how the Departments of Health & Human Services and Veterans Affairs are working with DOE to use Summit, America's fastest supercomputer, to analyze data and combat COVID-19 virus in *Healthcare IT News*.

[Read More Here](#)



Lawrence Livermore National Lab has upgraded its Lassen supercomputer with the world's largest AI computer chip to accelerate predictive modeling, AI research and the search for treatments to our deadliest diseases, like cancer.

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The US Department Of Energy Is A Surprising Powerhouse In AI: An Interview With Cheryl Ingstad, Director, AI And Technology Office At U.S. Department Of Energy (DOE)

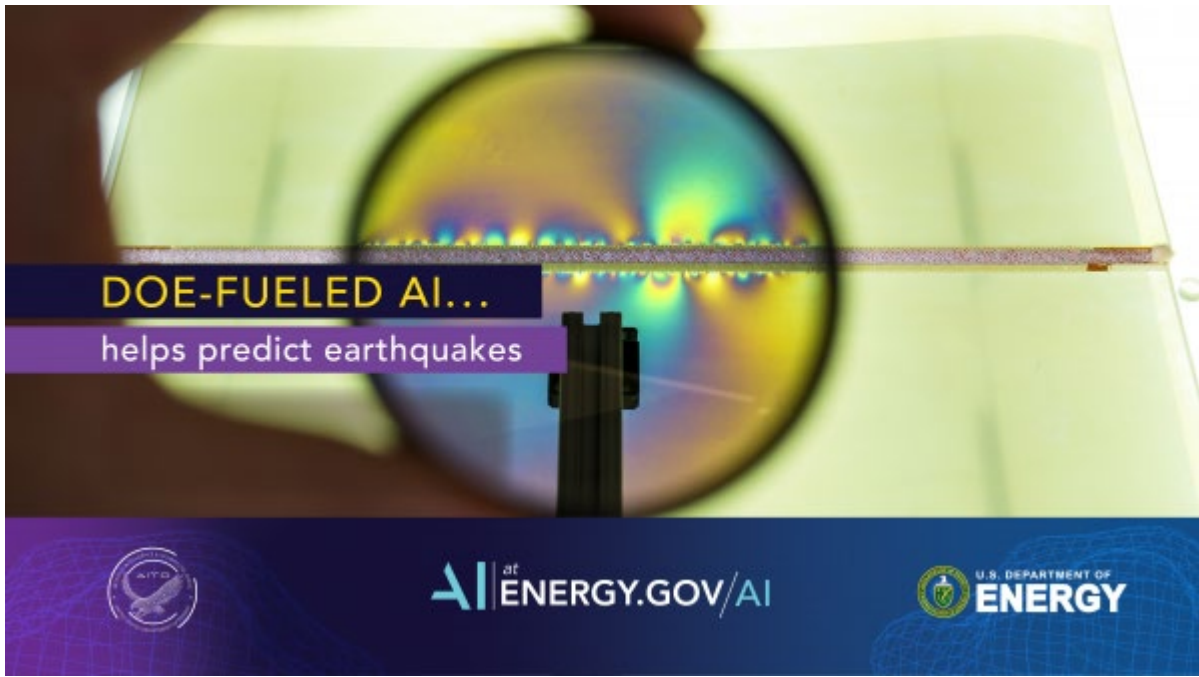
The US Department of Energy has been at the forefront of most of the groundbreaking and world-changing revolutions in science and technology including nuclear energy, genomics, and high-performance computing. It shouldn't be surprising that they're spearheading efforts in AI research & development.

By **Ron Schmelzer** Contributor



ICYMI: Forbes Contributor Ron Schmelzer interviews Director Ingstad about the past, present, and future of DOE's leadership in advancing artificial intelligence.

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Using physical experiments and machine learning, national lab researchers are training computers to pinpoint, analyze, and simulate seismic stress and acoustic signals emitted during tectonic plate movements to help predict earthquakes.

Cheryl Ingstad
@AiDirector Follows you
Director of @ENERGY's Artificial Intelligence & Technology Office, Mother, US Army veteran, and Lean Six Sigma Master Black Belt.

<https://fcw.com/articles/2020/08/20/rockwell-energy-ai-covid-jaic.aspx>

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By Mark Rockwell | Aug 20, 2020



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