

# *The Outlook for Energy: A View to 2040*

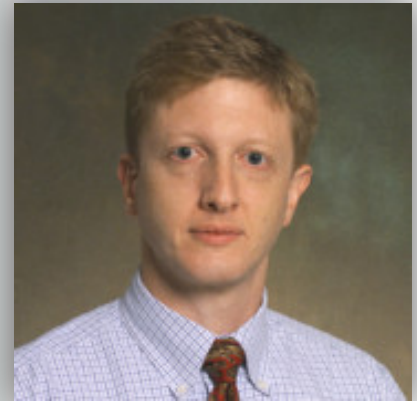
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## **ABSTRACT**

The Outlook for Energy is ExxonMobil's long-term view of our shared energy future. We develop the Outlook to assess future trends in energy supply, demand and technology to help guide the long-term investments that underpin our business strategy. The Outlook reveals a number of key findings about how we use energy, how much we will need in the future, and what types of fuels will meet demand. Example elements of the outlook include: 1) Efficiency will continue to play a key role in solving our energy challenges; 2) Energy demand in developing nations will rise 65 percent by 2040, reflecting growing prosperity and expanding economies; 3) Overall, global energy demand will grow 35 percent, even with significant efficiency gains; 4) Around 2030, the nations of North America will likely transition from a net importer to a net exporter of oil and oil-based products. The Outlook provides a window to the future, a view that we use to help guide our own strategies and investments. Over the next five years, ExxonMobil expects to invest approximately \$185 billion in energy projects. Given the magnitude of our investments, it's critical that we take an objective and data-driven approach to ensure that we have the most accurate picture of energy trends.

## **BIOGRAPHY**

Dr. Adam Usadi is the Section Head of Emerging Energy Sciences, Corporate Strategic Research, ExxonMobil Research and Engineering Company, which includes research in biofuels, carbon capture, climate science, and life cycle assessment. He previously led the Complex Systems Science section in data analytics and optimization and has also worked at ExxonMobil's Upstream Research Company in Houston, where he focused on algorithmic and computational problems in reservoir modeling and seismic processing. He received a BS in Physics from Dartmouth College, a MS in Materials Science from Hiroshima University, and a PhD in Space Physics from Rice University. Dr. Usadi also worked at Goldman Sachs where he supported precious metals trading.



## **EVENT DETAILS**

**DATE:**

Wednesday Feb. 25, 2015

**TIME:**

3:00 PM

**LOCATION:**

EAS 222  
Stevens Institute of Technology

**ATTENDANCE:**

This event is open to Stevens' Faculty, Students, Staff, and Invited Guests