



**Princeton University Department of Chemistry
Appoints Stephen F. DeAngelis
as Visiting Professional Executive in Cognitive Reasoning Platforms**

Princeton, NJ and Newtown, PA, March 8, 2016--Massive Dynamics, LLC and [Enterra Solutions, LLC](#) announced today that their CEO and founder, Stephen F. DeAngelis, has been named a visiting professional executive collaborating with the [Princeton University Department of Chemistry](#).

With this appointment, DeAngelis will work with the Laboratory of Professor Herschel Rabitz and Princeton faculty on researching a novel application of cognitive computing to the analysis and control of complex systems at the molecular scale and higher. DeAngelis will also examine how high dimensional model representation (HDMR) can be used to improve cognitive reasoning platform efficiency and provide a way to represent reasoning as a complex system. HDMR comprises a set of emergent mathematical techniques for improving the efficiency of deducing and learning the high-dimensional input-output behavior of complex systems.

“I look forward to collaborating with the Rabitz Laboratory, and other researchers and faculty members at Princeton,” commented DeAngelis. “The work at Massive Dynamics involves the practical applications of HDMR to the analysis and control of complex systems to disruptive business applications in optimization and scientific research. Our work at Enterra Solutions involves the application of cognitive computing systems to the complex enterprise decision making and optimization problems of large organizations of all kinds, including governmental agencies. The technologies at Massive Dynamics and Enterra Solutions, combined with Princeton’s capabilities in HDMR, create an ideal testing ground for the advancement of basic computational concepts while also being of intellectual value to laboratory researchers.”

The Princeton University Dean for Research, Professor Pablo Debenedetti, remarked, “I am pleased to have Stephen DeAngelis in this close working relationship with Professor Rabitz. I am also pleased that he will have the opportunity to interact with other faculty in the sciences and engineering to make his presence in the Rabitz Lab most valuable for all parties.” Professor Rabitz added, “Our research group is especially interested in the scientific and wider opportunities opened up by Stephen’s visit, including through his interaction with students and postdoctoral associates. We look forward to combining our lab’s unique algorithmic tools with Stephen’s cognitive computing expertise in researching complex optimization problems that are critical to our society.”

The appointment as a visiting professional executive affords DeAngelis the chance to collaborate with the Laboratory of Professor Herschel Rabitz. His period of collaboration will coincide with his Chief Executive roles at the computational intelligence company Massive Dynamics and enterprise cognitive systems company Enterra Solutions. DeAngelis is a resident of Washington Crossing, PA.

About Massive Dynamics, LLC™

Massive Dynamics, LLC, is a computational intelligence company that was founded in 2014 and is based in Princeton, NJ. The company has a team of top business executives, applied mathematics and interdisciplinary Ph.D.'s and cognitive computing experts. Its core competency is in the analysis and control of complex systems delivered through a unique and proprietary mathematical engine and analytic know-how.

About Enterra Solutions, LLC®

Enterra Solutions has combined artificial intelligence and advanced mathematics to pioneer the Enterra Enterprise Cognitive System™. By reasoning the way humans do and performing sophisticated mathematical analysis, Enterra automates a new way of problem-solving and decision-making; thus going beyond advanced analytics to answer queries and generate insights instantly. Enterra helps transform market-leading companies into true digital enterprises.

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