

How to impact the 'regulatory state' & innovations in metallurgy highlight government engagement & a glimpse into the future

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By Pete DeLaunay

President Cathy opened the day's meeting by introducing Charley Dickey with the day's invocation followed by Don Murphy who led the anthem.

She then invited to the podium fellow Rotarian Craig Wright, Assistant Dean of Advancement at the University of Washington School of Law, who introduced two distinguished colleagues, law professors Lisa Manheim and Kathryn Watts, for the short program about the 'regulatory state', the somewhat limited powers of the presidency and the importance of community engagement in the various processes of government.

Professor Manheim began with a discouraging overview of how little the public seems to know about our government much less how it works. "About half of the people in the U.S. can't name the three branches of government," she said, "or even what is legal and what is not." She then described a new UW Law School initiative to foster a 'better understanding' of modern civic participation and practical opportunities to engage.

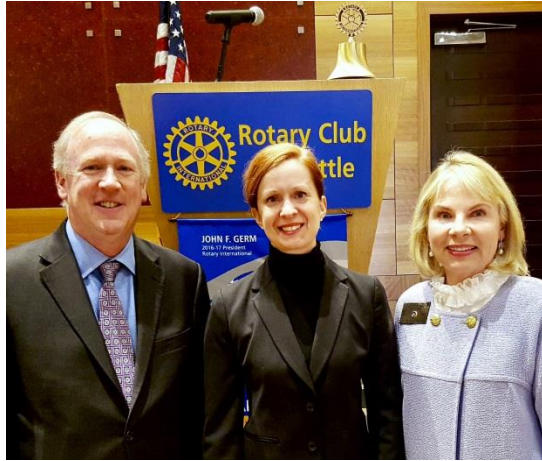
One of the first opportunities will take place on February 1, 7:30 p.m. when the UW School of Law and Town Hall present 'Presidential Power in 2017'. Professor Manheim will moderate a distinguished panel of UW law professors to discuss the scope, and limits of presidential power in modern politics. ([Register online](#))

Constitutional law professor Kathryn Watts described the 'regulatory state' as a complicated public rule making process that is typically enacted by the Congress, but handed down by Federal agency officials for all sorts of regulations regarding clean water, clean air, safe food, labor standards and much more. "When president-elect Trump takes aim at dramatically reducing regulations, he has some limitations to meeting his goal," she said. "A rule simply can't be eliminated without following the rule making process."

Professor Manheim concluded by stressing the importance of educating the public about the value of bringing communities together to make positive changes.

President Cathy invited fellow Rotarian Michael Verchot, Director, UW Consulting and Business Development Center, who introduced Christina Lomasney, CEO and co-founder of Modumetal, a Seattle based company that is reinventing metals manufacturing.





The company has developed an innovative approach to metal coating for ultra-high performance metals in the area of 'materials technology'. "We are entering a new age of manufacturing with 'nano-layered materials' that are economical, durable and competitive with convention metals," she began. "At Modumetal we have developed a chemical composition or microstructure. It is electricity-based manufacturing that is cleaner while creating a new way to affect metal performance with layers that dramatically change properties for the better."

She envisions broad industrial applications of nano-laminates beginning with how they out perform conventional metals relating to corrosion. Not only is the metal laminate durable and efficient while its lightweight reduces costs. 'Our tests of nano-laminates in Florida have resulted in remarkable results," she said, "outperforming conventional metals by a ratio of 30-to-1 that can result in considerable infrastructure savings over the life of structures."

She envisions nano-layered structural metals that could save up to \$20 billion by deploying materials that can last significantly longer. 'Deployment of nano-layered structures is significant," she concluded, "with the potential of electro-formation completely eliminating the development of conventional metals. We can produce components that are more durable, more efficient and at 1/3 the weight."

President Cathy ended the meeting with Rotary International's 'Making a Difference' theme, encouraging Rotarians to join a 'packing party' at Rotary First Harvest, by hosting a student for the Winners for Life program and making a difference in their own way.

