

PROFESSOR JOHN MEECH RECEIVED THE FRAY INTERNATIONAL SUSTAINABILITY AWARD

September 5, 2014

At FLOGEN's Shechtman International Symposium held in Cancun, Mexico from June 29 to July 4, Professor John Meech was presented with the Fray International Sustainability Award in recognition of his leadership of UBC-CERM3's research into Sustainable Mining. Dr. Meech attended the conference with 10 members of the CERM3 team who presented 12 papers on recent work done at UBC.

The Fray Award is given out by FLOGEN STAR OUTREACH in honour of Dr. Derek Fray from Cambridge University who has developed metallurgical and material processes in wide use around the world. The symposium was held to honour Daniel Shechtman from the Technion – Israel Institute of Technology, who received the 2011 Nobel Prize in Chemistry for his discovery of Quasi-Periodic Materials which has spawned the burgeoning field of Nanotechnology. Two other Nobel Prize winners participated in the event: Randy W. Schekman from the University of California, Berkeley who won in 2013 in Medicine and George F. Smoot from the University of California, Berkeley who won in 2006 in Physics.



John Meech being presented with the Fray Award by Dr. Florian Kongoli

A list of papers presented by the CERM3 team is shown below:

1. [Changing the Habits of Artisanal Miners](#)
- Marcello Veiga, Gustavo Angeloci, and John Meech
2. [Remining Old Tailings Dams](#)
- John Meech and Jessica X.Y. Wang
3. [High-Temperature Geothermal Energy – Why No Canadian Development?](#)
- Mory Ghomshei, Stephen Mak, and John Meech
4. [Development of Sustainable Small Businesses in Mining-Affected Communities](#)
- Suzette McFaul, Andre Xavier, and John Meech
5. [Recognizing Confined Space Issues at Mine Reclamation Sites](#)
- Ladan Mohammadi and John Meech
6. [Fuzzy Logic in Mining – Are Right and Wrong Fuzzy Concepts?](#)
- John Meech
7. [Bitcoin – The “New Gold” for a “Safe-Haven” Investment?](#)
- Ricky Gu and John Meech
8. [Review of First Nations Issues and Mining In Canada](#)
- Andre Xavier, John Meech, and Marcello Veiga
9. [Decreasing Energy Consumption in Cement Production](#)
- Sixto Aguero-Starkman and John Meech
10. [Phytomining of Platinum Group Metals: Major Driving Forces and New Approaches](#)
- Peipei Shi, John Meech, and Chris Anderson
11. [Can Phytoextraction Support the Gold Mining Industry in Developing Countries? – Case Study for Indonesia](#)
- Chris Anderson, John Meech, Marcello Veiga, Dewi Krisnayanti
12. [Sustainable Mining: Is that really possible?](#)
- Plenary Session Presentation: John Meech



John and his wife, Elaine with the Fray Sustainability Award



UBC-CERM3 Team at the Shechtman Conference L to R: Dottie and Jim Higgins (Guelph University), Emma and Chris Anderson (Massey University, NZ), Claudia and Andre Xavier (UBC-Mining), John and Elaine Meech, Ricky Gu and Peipei Shi (UBC), Suzette McFaul (SEF-Canada), and Sixto Aguero (UBC)



John Meech being presented with the Fray Award by Dr. Florian Kongoli