



Energizing The Kootenays

Workshops on Clean Energy Innovations

2012

Energizing The Kootenays: Castlegar Campus October 26 & 27, 2012

Register by **October 22, 2012!**

General Registration: \$75 Student Registration: \$50 Trade Show Registration: \$30

Price includes meetings, coffee services, and lunch.



Keynote Address: Dr. Mark Jacobson, Environmental Engineer, Stanford University,

“Planning For a Sustainable Future with Wind, Water, and the Sun (WWS).”

Global warming, environmental pollution, and energy insecurity are three of the most significant problems facing the world today. Will discuss a plan to solve these problems by powering 100% of countries and the world with wind, water, and sunlight (WWS) for all purposes, including electricity, transportation, industry, and heating/cooling. It evaluates a conversion in terms of resources, land use, materials, jobs, costs, health and climate benefits, and policies.

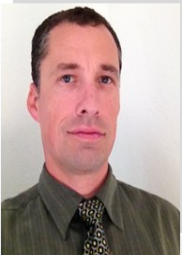
Endnote Address: Bill McKibben, Environmental Activist and Acclaimed Author,



“The Other Side of the Renewables Fight.”

Mr. McKibben will examine the need to rein in the fossil fuel industry and require that the fossil fuel industry to pay for the costs of the damage it is inflicting on the planet. He will describe the ongoing and accelerating battle to hold the fossil fuel industry accountable, and what that means for our energy future.

Case Studies in Heat Transfer: there's money in waste heat



Adam James has over a decade of experience harnessing the heat of the earth and putting it to work in cost-effective applications. Adam designs residential and commercial ground-source heat pumps systems (commonly called geothermal systems) which recover solar energy stored in the ground and use it for heating. These systems can also extract waste heat from sources as diverse as dairy farms and sewer lines. Adam will share his experiences illustrating how we can manage our energy needs more sustainably by putting renewable heat to work.

Applications of Solar Photo-Voltaic Systems



Darren Anderson is an electrician with a masters degree in renewable energy. He specializes in installing solar PV systems where grid connection is not practical or possible. He will be sharing his personal stories about systems he has installed around the globe under a range of challenging social and environmental conditions. Darren will lead us through the steps in solar PV installation and explain why Solar PV is a viable carbon-free alternative for supplying power for homes, hospitals and commercial applications.





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Schedule for Friday October 26 & Saturday October 27, 2012

Castlegar Campus Friday October 26	Pit Area	Sentinal 113	Kokanee Wing	Lardeau Wing
3:30– 5:30 pm	Set up: Art Exhibit & Trade Show			
5:30-6:00 pm	Registration Table, Art Exhibit & Trade Show			
6:00–7:30 pm		Opening Remarks & Keynote: Mark Jacobson		
7:30– 9:00 pm	Reception, Art Exhibit & Trade Show			
Saturday	Pit Area	Sentinal 113	Kokanee Wing	Lardeau Wing
9:00-10:00 am	Reception, Art Exhibit & Trade Show	Presentation: Adam James		
10:00-10:15 am	Coffee Break			
10:15-11:15 am		Presentation: Darren Anderson		
11:30-12:30 pm		Keynote: Bill McKibbin		
12:30-1:15 pm	Lunch TBA			
1:15-2:45 pm	Demo Tours	Solar PV System—outside between K & L wing Ground source heat pump-L14 Biodiesel synthesis-K12 Blower door– K11 Micro hydro system-L15 High efficiency wood stove-outside between K & L wing		
2:45-3:15 pm	Wrap up Conversation, Coffee & Snack in Staff Lounge	3:15-4:30 pm Kekuli & MIR tour for those interested in walk about the campus.		