



Status: Renewable Energy and Environmental Sciences

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INTRODUCTION

The field of environmental science to help Environmental Professionals harness the full potential of their practice. It involves the use of tools and technologies to achieve a certain degree of publicity and broaden the reach of the practice and the practitioner. The conference is a rare opportunity for all individuals of the environmental community to upgrade their know-how of the latest technologies & strategies the field of Green Energy, Renewable Energy, Environmental Science, and Green Technologies and also lays a special emphasis at Educating and informing environmental researcher, industry professionals with the latest knowledge of technologies that can be applied to counter the economic under-evaluation ecologist may face in their practice.

Green Energy

Green Energy principally involves natural energetic processes which are able to be controlled with little or no pollution. Anaerobic digestion, geothermal power, wind power, small-scale hydropower, alternative energy, biomass power, recurrent event power, wave power, and many sorts of nuclear power belongs to the green energy. Some definitions might embody power derived from the combustion of waste. In several countries with enterprise arrangements, electricity selling arrangements build it attainable for patrons to shop for green electricity from either their utility or a green power provider. Once energy is purchased from the electricity network, the power reaching the customer will not primarily be generated from green energy sources. The native utility company, utility, or state power pool buys their electricity from electricity producers World Health Organization might even be generating from fuel, nuclear or renewable energy sources.

Renewable Energy

Renewable Energy comes from non-conventional energy that is continuously replenished by natural processes. It's attracted plenty of attention within the recent past due to exhaustion of fossil fuels and within the lookout for alternate energy for a clean and green future. Totally different varied kinds of renewable energy embody solar power, wind energy, hydro energy, heat energy, wave and tidal energy. Supported the report of REN21's 2014, renewable contributed 19 % to our energy consumption and 22 % to our electricity generation in 2012 and 2013. Renewable power is cost effective, reliable, property, and environmentally friendly. Recently the renewable energy sector is already providing quite 450,000 jobs associated has an annual turnover exceeding 45 billion Euros. Since 2009, 25 solar projects totalling quite 8,000 megawatts, and 9 wind comes totalling quite 4,000 megawatts, are approved on public lands within the U.S. That's enough electricity to power nearly four million yankee homes.

Green Nanotechnology

Green nanotechnology typically refers to the use of applied science to strengthen the environmental property of processes producing negative externalities. It to boot refers to the employment of the product of applied science to strengthen property. It includes making inexperienced Nano-products and exploitation Nano-products in support of property. Green applied science has been depicted as a result of the event of recent technologies, to attenuate potential environmental and human health risks associated with the manufacture and use of nanotechnology product, and to encourage replacement of existing product with new Nano-products that square measure further surroundings friendly throughout their lifecycle producing nanomaterial's and products whereas not harming the surroundings or human health, and producing Nano-products that supply solutions to environmental problems.

Environmental Engineering

Environmental Engineering involves applying science and engineering practices to how we tend to utilize and impact our natural resources. Trendy environmental engineers work on solutions to problems like pollution reduction and pack up, energy

consumption and emissions, land erosion, water treatment and waste management in a shot to properly manage and maintain the standard of our soil, water and air.