

The Latest Breakthrough in Energy Science and its Impact on Outsourcing Industry

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Outline

- Latest Breakthrough in Energy Science
- Significance of Latest Breakthrough
- Recent Related Discoveries
- Impacts
- Conclusions

Latest Breakthrough in Energy Science

- “Perpetual Motion Machine (PMM) can’t be Constructed” is a **misconception**

Latest Breakthrough in Energy Science

- “Perpetual Motion Machine (PMM) can’t be Constructed” is a **misconception**
- Yuh-Huei Shyu, “The Conclusion of Non-Existence of Perpetual Motion Machines is Based on a Sound yet Incomplete Proof”, proceeding of International Conference on Remote Sensing, Environment and Transportation Engineering (RSETE 2012), pp. 2935-2939, Nanjing, June, 2012.
(Proceeding will be published by IEEE)

Latest Breakthrough in Energy Science

- “Perpetual Motion Machine (PMM) can’t be Constructed” is a **misconception**
- This result says that either we
 - Need a sound and complete proof to conclude that PMM can’t be constructedor
 - Need a workable PMM to be illustrated
- Designing a PMM is no longer a disrespecktable activity

Significance of latest breakthrough

- We are facing 2 fatal challenges in 21st century
 - Earth Warming
 - Energy shortage
- They are **must-be-conquered** challenges
- **Unable** to conquer them, then human beings will **go to extinction**

Odds of Conquering Challenges

- Depend on:
 - Innovation Technologies

or

- Revolutionary technologies

Odds of Conquering Challenges

- Depend on:
 - Innovation Technologies
 - ...Prolong the suffer put on human beings
 - ...Human beings will go to extinction eventually
 - or
 - Revolutionary technologies
 - ... Solve both earth warming and energy shortage problem

Difference

- **Innovational System**
 - Improve system's efficiency
- **Revolutionary System**
 - Cause a paradigm shifting
 - (Should provide enough energy for world's daily consume)

Recent Related Discoveries

- 2010: Universal gravitation is a kind of renewable energy

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- 2011: A Potential Energy Regenerating System Fueled by the Gravitation

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- 2011: Using Universal Gravitation to Generate the Electricity
- **Conventional reaction:**
 - It seems working
 - Yet, it contained a PMM-like subsystem
 - PMM can't be constructed is a scientific consensus
 - The system must contain some **subtle, yet, fatal errors**

Latest Discoveries

- June 2012:
 - “The Conclusion of Non-existence of Perpetual Motion Machines is Based on a Sound yet Incomplete Proof”
- (RSETE 2012)
- Nov. 2012:
 - “Uncover the Mystical Veil of Perpetual Motion Machines” (ICEEES 2012) will be held on Nov. 16-18, 2012 in Wuhan

Latest Breakthrough

- “Uncover the Mystical Veil of Perpetual Motion Machines”
- Misconceptions:
 - “impossible to construct a perpetual motion machine”
(Need a sound and complete proof)
 - “energy can’t be created“
(Can be generated using special mechanical construct)
 - “ Perpetual Motion Machines can’t be constructed“
(informally illustrated)
 - “ friction and energy loss is the key issue of non-existence of PMM“
(energy loss can be neglected, torques balancing is the key to artificially creat a water cycle)

Impact on Energy Industry

- Using universal gravitation to generate the electricity in 21st century
 - Human beings have no other choice
- Abandon the uses of fossil fuels, nuclear energy, solar energy, wind power
 - Cost consideration
- Move from power grid to house-based or building-based standalone power system
- Customized moveable power generators are available
- State run (government owned) power companies are hard to survive
- People will turn to energy that free of generating cost

Impact on Outsourcing Industry

- **Outsourcing** is the process of contracting an existing business process which an organization previously performed internally to an independent organization, where the process is purchased as a service.

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- Conventional supreme guidelines:
 - Green
 - Sustainability
 - Energy saving
 - Carbon reduction

Impact on Outsourcing Industry

- **Outsourcing** is the process of contracting an existing business process which an organization previously performed internally to an independent organization, where the process is purchased as a service.
- Conventional supreme guidelines:
 - Green
 - Sustainability
 - Energy saving
 - Carbon reduction
- Supreme guidelines in the future
 - Contain a power generating module which is fueled by universal gravitation
 - Sustainability, Energy saving and Carbon reduction are not key issues
 - Total cost is the major concern

Conclusions

- The **problem** of existence of perpetual motion machines had **lasted for more than a millennium**
- Using laws of thermodynamics to proof the non-existence of PMM has **lasted for more than a century**
- “It is impossible to construct a PMM” is a **misconception**
- This misconception has impeded the energy researches for quiet a long time
- **Using universal gravitation** to generate the electricity is the **only hope** that we can solve the earth warming and energy shortage problems in time
- Clarify misconceptions will help us to remove the barriers of using universal gravitation energy to generate the electricity
- The **adoption** of using universal gravitation to generate the electricity is an **inevitable trend**

Conclusions

- Using universal gravitation to generate the electricity means that we can consume energy with **free cost**
- Conventional power companies will have a very short period of time to take this challenge
- It is a great opportunity for outsourcing industry
- **Many new business models are yet to be discovered**

Reference

- Yuh-Huei Shyu, “**Universal Gravitation: An Ultimate Renewable Energy**”, proceeding of Annual International Conference on Green Information Technology, pp. 65–68, Singapore (2010).
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- Yuh-Huei Shyu, “**Uncover the Mystical Veil of Perpetual Motion Machines**”, to appear in proceeding of The International Conference on Electrical Engineering and Energy Sciences (ICEEES 2012), Wuhan (Nov. 2012), Also to appear in journal Applied Mechanics and Materials.