**Keynote speech**

At

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Sustainability of energy sources

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Thank you,Mr.Chairman.Good morning,distinguished specialists and scholars.My name is LI Yang ,a professor from Southeast University. It is a great honor for me to deliver a speech here.Today I would like to briefly describe the history of the utilization of energy.

Do you know what is the most primary pillar of modern social development?—wealth,energy, information and materials?There is no doubt that the answer is energy. Energy is the foundation of information , synthetic materials and social wealth. Energy has made the greatest contribution to the development of human civilization. A major breakthrough in energy technology in human history has triggered a leap in productivity. Every step of human civilization is closely related to the use of energy. The history of the development of human society is a history of constantly asking for energy from nature.

In ancient times,the homo sapiens,ancestors of humans on the earth,used woods as energy source to heat their food. And because of Renaissance and Enlightenment,people in Europe firstly invented new technology and equipments to produce a great number kinds of goods,such as cuttons,trains and ships.And we called this great period—The first industrial revolution,during which,people would need quantities of energy to produce merchandise.It was estimated that over 10 million tons of coals were consumed during this period.

In the middle of the 19th century,there were a little more 3 billion persons living on the earth.And people entered a new era—The second industrial revolution that factories usually needed a great amount of electric energy and productivity got an unexampled leap. so countries throughout the world took measures to build tens of thousands of thermal power plants to produce electric energy.Besides,countless cars made use of petrol to speed.And thermal power plant transformed coals’ heat to electric energy.But coals and oil are unsustainable energy,and it was estimated that the energy consumed during the second industrial revolution was thousands of times more than that of the first.

Up to now,global population has been more than 7 billion.So we can imagine that how much energy had been consumed before and how much energy would be consumed in the future.Therefore,how to find sustainable energy sources would have an important impact on people’s lives and development of science and technology.Thanks to a great many brilliant scientists,humans have mastered how to make use of hydro energy,wind energy,solar energy and nuclear energy to obtain Electric Energy.Electric Energy is a kind of secondary high-quality energy,which is widespreadly used in mankind world.we should look forward to the generation and promotion of new energy in the future and hope our world will be better and better!

Thanks to every participant very much for your listening, if there is anything wrong, I hope you can criticize and correct me.