

Speech by  
**Prof. Nader Alasmoudi**

Praise be to Allah, and prayers and peace be upon the most honorable of prophets and messengers,  
Custodian of the Two Holy Mosques, King Salman bin Abdulaziz, may Allah preserve him,  
Your Highnesses,  
Eminences & Excellencies,  
Ladies & Gentlemen,  
Assalamu Alykum wa Rahmatullahi wa Barakatuhu.

It is a great honor to receive the King Faisal Prize in Science. Although I am very proud of this great honor, the credit for this achievement does not go solely to me. Indeed, I would like to thank everyone who contributed to this accomplishment. "He who does not thank the people is not thankful to Allah", as Prophet Mohamed -Peace be upon Him- says.

I would like also to extend my sincere gratitude to my devoted parents who provided me with a good upbringing by nurturing in me the passion for study and scientific research and encouraged me to specialize in the field of mathematics.

Similarly, my genuine thanks go to New York University in Abu Dhabi, which nominated me for this valuable award.

I also thank the scientific committee and the awarders of this Prize who chose me along with Professor Martin Hairer as winners of this great prize among all applicants.

Likewise, I deeply appreciate all my professors, my colleagues and my students who helped me in conducting my research work, enabling me to reach this high scientific rank.

I should convey my genuine thanks to my dear wife, children and brothers for their patience and endurance of great difficulties for the sake of offering me the time and appropriate environment for scientific research.

To all of these I say thank you and may Allah reward you.

As for the research, which you have honored me for with this Prize, it is related to the stability states of fluid motion. I am currently in the process of identifying applications for it in studying traffic and the management of massive crowds. I have enjoyed the opportunity, by the grace of Allah, to perform the ritual of Umrah [i.e. minor pilgrimage] many times in the past years, and I have always sought to understand the movement of crowds around the Kaaba and at the Jamarat site for the devil stoning ritual. The traffic and crowd management equations are indeed very similar to fluid equations.

As I conclude my speech, I would like to give a word of strong encouragement to all the youth of the Arab and Muslim countries. I do urge them to attend to their studies, get inspiration and guidance from the sources of learning, acquire mastery in science, and attach real importance to scientific research for the purpose of achieving scientific advancement and civil progress. I also urge the concerned institutions and Arab universities to invest more in all areas of scientific research.

Thank you all!