

## **Brief CV**

| Name                        | Amir Azam Khan  | 中文名                 |             |      |
|-----------------------------|---|---------------------|-------------|------|
| Gender                      | Male  | Title<br>(Pro./Dr.) | Prof. Ir Dr | 1981 |
| <b>Position</b> (President) | Professor   | Country             | Malaysia    |      |
| University/<br>Department   | Department of Mechanical and Manufacturing Engineering, Faculty of Engineering,<br>Universiti Malaysia Sarawak (UNIMAS), 94300 Kota Samarahan, Sarawak,<br>Malaysia |                     |             |      |
| Personal Website<br>Webpage |   |                     |             |      |
| Research Area               | Ceramics, Advanced Materials, Surface Engineering, Characterization   |                     |             |      |

## Brief introduction of your research experience:

Professor Dr Amir Azam Khan has worked extensively on Surface Engineering of Materials during the last 20 years. He did his PhD at the Laboratory SPCTS (*Sciences des Procédées Céramiques et de Traîtment de Surfaces*) University of Limoges, France. His work was concentrated on the development and characterization of tungsten and molybdenum coatings through plasma spraying, sintering of nitride ceramics and ceramic based composites in the AIN/Mo system, as well as low pressure plasma spraying of refractory films over metallic and ceramic substrates. This work was financed by General Electric Medical Systems (GEMS) USA, for producing High Energy X Ray tube anodes for continuous imaging in their CT Scanners. Prototypes of coated Ceramic Matrix Composites (CMS's) were produced according to their design and patented by GEMS, USA. In addition to this application, these composites show excellent tribological properties, and are considered for their possible use under self lubricating conditions. Later he worked under a project with SPCTS to produce and study the glass/metal composite films deposited over porcelain substrates with an objective to use these films for the induction heating of porcelain utensils. The work was carried out with the financial support of French porcelain manufacturer APILCO.

Prof. Khan, who is also a Professional Engineer, has supervised a number of Masters and PhD students during the last 20 years. He was awarded the Best Scientist award by the *Third World Academy of Sciences* (TWAS), Rabat, Morocco, in the year 2001, and was given the title of *Chevalier dans l'ordre de Palmes Académiques* by the French Prime Minister, in March 2001, for his invaluable services for the cause of research and education. He also obtained



the prestigious fellowship of *Max Planck Institute, Stuttgart, Germany*, in 2001 and 2003. He has been elected as *Fellow by the Institute of Materials, Minerals and Mining (FIMMM)*, UK and *Chartered Engineer* by UK Engineering Council. He also has several National Awards to his credit.

Since 2009 Prof Khan is working at the Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, UNIMAS, Malaysia. Before his present position, he has held several important Scientific and Administrative Posts in the past at other Universities. Prof. Khan is reviewer to Elsevier BV and Maney Publishers, for the *Journals of Alloys and Compounds, Ceramics International, Materials Chemistry* and *Surface Engineering* among other Journals. He is Editor of the Proceedings of International Engineering Conference (ENCON2013), published in September 2013 by RPS, Singapore, and Proceedings of ENCON 2017. He is also Editor of FENG Research Bulletin, a research news publication of the Faculty of Engineering, UNIMAS. He owes to his credit publication of three books and over 60 research publications in Journals and International Conferences.

\*\*\*\*\*All the columns need to be filled in.