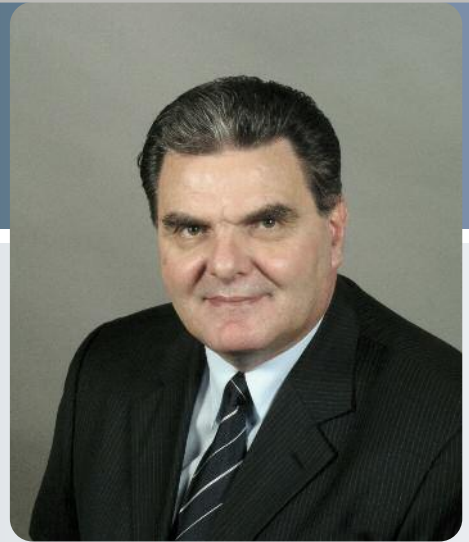


# Editorial



"La Ville-Lumière" ("The City of Light") is the most famous nickname of Paris, France; a name it owes first to its fame as a centre of education and ideas during the Age of Enlightenment, and later to its early adoption of street lighting. Paris is the capital and the largest city in France. The name Paris derives from that of its inhabitants, the Gaulish tribe known as the Parisii. The city was called Lutetia of the Parisii during the Roman era of the 1<sup>st</sup>- to 6<sup>th</sup> century, but during the reign of Julian the Apostate (360–363) the city was renamed Paris. It is considered that the name of the Parisii tribe comes from the Celtic Gallic word "parisio" meaning "the working people" or "the craftsmen". Paris is situated in the north-bending arc of the river Seine and includes two islands, the Île Saint-Louis and the larger Île de la Cité, which form the oldest part of the city. The city of Paris, within its administrative limits largely unchanged since 1860, has an estimated population of ca. 2.2 million, but the Paris metropolitan area is one of the most populated metropolitan areas in Europe and has a population of 11.8 million. Paris and the Paris Region produces more than a quarter of the gross domestic product of France. The Paris urban agglomeration is Europe's biggest city economy and the sixth largest in the world, but Paris is also the world's most expensive city to live in. An important settlement for more than two millennia, Paris is today one of the world's leading business and cultural centres, and its influences in contemporary life contribute to its status as one of the world's major global cities. Paris ranks among the ten European greenest cities in 2010 and the projected top ten wealthiest cities in 2020 together with London, São Paulo, Tokyo, New York City and Shanghai. In 2010 Paris has been ranked also among the ten cities in the world "where to live in" and among the three most important and influential cities in the world, among the first three "European cities of the future". The city and region contain numerous iconic landmarks, world-famous institutions and popular parks, so Paris is the first destination in all the world with 27 million of foreign tourists annually. It is easily accessible by air, by train and by road. With two international airports, it is a major international hub for many airlines. Paris provides everything to make the conference a memorable and enjoyable event. Making that assumption "Advances in Materials and Processing Technologies Conference AMPT 2010" will be held from 24<sup>th</sup> to 27<sup>th</sup> October 2010 in Paris, France. Arts et Métiers ParisTech will host the AMPT 2010 conference in the heart of Paris. The "Advances in Materials and Processing Technologies" conference series were initiated at the Dublin City University, Ireland in 1993 and was held there in 1995, 1999 and 2003. It took place in Portugal in 1997, Malaysia in 1998, Spain in 2001, Poland in 2005, USA in 2006, South Korea in 2007, Kingdom of Bahrain in 2008 and Malaysia in 2009. These conferences tend to gather the entire international community involved in the wide domain of materials processes from Academia as well as from Industry. For years unchangeably the Steering Committee of those Conferences is directed by their initiator Prof. M.S.J. Hashmi – Ireland, and in its makeup among others: Fellows of the World Academy WAMME Prof. L.A. Dobrzański – Poland, Prof. Y.T. Im – Republic of Korea, Prof. J.M. Torralba – Spain, Prof. F.W. Travis – United Kingdom, Prof. B.S. Yilbas – Saudi Arabia, and also Prof. M. Andriutschky – Portugal, Prof. F. Al-Sulaiman – Saudi Arabia, Prof. M. Buggy – Ireland, Prof. Yvan Chastel – France, Prof. J.S. Gunasekera – United States, Prof. A.F. Ismail – Malaysia, Prof. W.

Johnson – United Kingdom, Prof. J. Lawler – Ireland, Prof. S. Mridha – Malaysia, Prof. J. Monaghan – Ireland, Prof. S.R. Reid – United Kingdom, Prof. S. Sulaiman – Malaysia are included.

Every year the Steering Committee is broadened by the Chairman of the Executive Organising Committee of the next Conference. In the current year Prof. Yvan Chastel and Prof. Mohammed El Mansori organise the conference, and in the makeup of this Committee among others Prof. Emin Bayraktar – a Fellow of the World Academy WAMME is included. The thematic scope of the AMPT 2010 Conference includes Materials, Forming Processes, Casting and Joining, Materials Removal Processes, High Energy Beam Processing, Laser and on Beam in Cutting, Welding, Surface Melting, face Hardening and Ceramic Particles incorporation, Precision Engineering and Nanotechnology, Surface Engineering, Computer Aided Engineering, Green Manufacturing and Management. Invited lectures are prepared by Frédéric Barlat – South Korea, Christophe Brand – France, Jean-Loup Chenot – France, Fabien Divo – France, Isabelle Eberl – France, Gwenola Ierman – France, I.S. Jawahir – USA, Philip others – UK. A number of participants from many countries announced the participation in the conference. We wish successful debates and invite all participants of the Conference of AMPT 2010, and all the authors to publish their achievements in the pages of our journals.



This double regular issue of the Journal of Achievements in Materials and Manufacturing Engineering as an exception from the rule includes papers prepared only by employees of one and the same scientific unit. It is the Institute of Engineering Materials and Biomaterials of the Silesian University of Technology in Gliwice, Poland, and papers were worked out in connection with the celebration of the jubilee of 65<sup>th</sup> years of the Tradition of Materials Science and Engineering in Silesia taking place in November 2010. In the next issue papers prepared almost only by the Authors invited on the occasion and in connection with the unveiling of a plaque commemorating the late Professor Jan Adamczyk in the 75<sup>th</sup> anniversary of his birthday will be published. I wish an interesting reading.

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