



ESCOLA POLITÉCNICA DA UNIVERSIDADE DE SÃO PAULO  
Departamento de Engenharia de Construção Civil

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Fulbright Scholar Program  
Reference Report  
Applicant: Prof. Tulio Nogueira Bittencourt

I have acquainted with Prof. Túlio Bittencourt since 1999 when we start to interact in the field of concrete materials. In 2003 I became the president of IBRACON (Brazilian Concrete Institute) and I invited him to become my collaborator as the Director of Research and Development of the Institute. I have been working closely to Prof. Bittencourt since then and more recently we are participating in the development of a research project on Self-Compacting Concrete.

The professional performance of the candidate can be easily confirmed through his academic and research productivity. He has advised quite a large number of Doctoral and Master theses. He has also been involved in many successful research projects in the recent years. Because of his accomplishments he was awarded by his colleagues the IBRACON Lobo Carneiro Award in 2005. He is very active in the development of new research activities in collaboration with our american partners from ACI (American Concrete Institute). My impression of his professional and academic performance is very good and his perspectives are very promising.

The proposal presented is very up to date since the topic is studied intensely all around the world. Self-compacting concrete is a very important improvement in the civil engineering construction field because of the implications it brings to the final quality of the structures. The elimination of vibration allows a better working environment and reduces the acoustic pollution in the big and urban cities. In Brazil, the concrete industry is very important and the necessities of concrete structures is very high for the necessary improvements in the infrastructure and in the energy production plants. In this sense the improvement of knowledge about the behaviour of this kind material is important and urgent.

Prof. Bittencourt has the background and the experience to develop the activities proposed in his project. He is very involved with the problems he is willing to study and he would benefit a lot from this kind of activity at ACBM and a close collaboration with Prof. Shah.



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The applicant has concluded his Ph.D. in the United States around 13 years ago and would be perfectly adapted to the academic activities in the US. He has participated in different research cooperative activities in different european countries. He is also the brazilian representative in the ISO-TC71 committee for concrete structures, and because of that he has a lot of contact with different cultures and different needs of concrete technology around the world.

I strongly support Prof. Bittencourt's application to Fullbright.

Eng. Paulo Helene

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