

## Report on Research Visit of Dr. Xianping Li

[University of Missouri - University of the Western Cape- Academic Exchange Program for 2018]

I would like to thank the UMSAEP program for my visit to the University of the Western Cape (UWC) report is based on the questionnaire contained in the UWC exchange application form 2017. As part of this exchange program, I visited UWC from May 26 to June 8, 2018

i. What were the objectives of your visit?

The main objective of this visit was to collaborate with Professor Kailash Patidar at UWC to develop the Fitted Finite Element Method and discuss more potential projects. I met Professor Patidar in Summer 2017 when he was visiting another faculty in my department at UMKC. We had a brief discussion about developing a new computational method that integrates both of our expertise.

ii. If your objectives were fulfilled, to what do you attribute your success? If not, what were the reasons?

The objectives were partially fulfilled. We have started developing the Fitted Finite Element Method and worked through the major ideas. Some initial results have been obtained due to the limited visiting time; however, we did

xii. What other observations would you like to share?

UWC is a good university full of collaborative opportunities and Western Cape is a great place to visit. I would encourage more faculty members in UM system to participate in the program and visit UWC.

xiii. How is the knowledge and experience gained on this exchange program going to influence your future work related endeavors?

It shows me the power of collaboration and devotion on research. The face to face discussion and focus on research without interruption are really valuable

xiv. What specifically will these future endeavors entail?

I will seek more opportunities for research collaboration and expect to produce more high quality research papers within reasonable amount of time.

xv. Should the exchange program be continued? If so, why?

Sure The program is beneficial to both UM and UWC and has great impact on the collaborators from both institutions.

I would like to thank the program again, especially project director Rodolfo and project specialist Ashley Rhode, for all the arrangements for my visit to UWC.

Sincerely,

Xianping Li, Ph.D.  
Assistant Professor  
Department of Mathematics and Statistics  
University of Missouri-Kansas City  
Phone: (816)235-2657  
Email: lixianp@umkc.edu