Professor Suong V. Hoa

See:
http://users.encs.concordia.ca/~hoasuon/
http://isiscanada.com/archived-isiscanada/contact/bios/hoa.html
http://www.polymtl.ca/crepec/en/bottin/details.php?fiche=22
http://www.zoominfo.com/p/Suong-Van%20Hoa/143869974
http://www.nserc-crsng.gc.ca/Chairholders-TitulairesDeChaire/Chairholder-Titulaire_eng.asp?pid=810
http://eic-ici.ca/PDFs/honours_award/cit07/Hoa.pdf
http://www.researchgate.net/profile/S_Hoa
https://www.collectiveip.com/technology-transfer/concordia-university/patents?fin=Suong+Van+Hoa

NSERC Industrial Research Chair in Automated Composites Manufacturing
Department of Mechanical Engineering
Concordia University, Montreal, Quebec, Canada

Biography:
Dr. Suong Van Hoa obtained his Bachelor of Engineering from California State University San Luis Obispo in 1971. He obtained his Master of Applied Science in Mechanical Engineering at the University of Toronto in 1973, and Ph.D. from the same Department in 1976. He worked as a Design Engineer at Canadian Fram Ltd. in Chatham, Ontario until 1977. He joined the Department of Mechanical Engineering at Concordia University in 1977 and has been there since. Dr. Hoa started working on composite materials and structures in 1979. He specializes in the analysis, design, manufacturing and evaluation of composite materials and structures. Dr. Hoa initiated and founded the Canadian Association for Composite Structures and Materials (CACSMA) in 1988. Dr. Hoa initiated and founded the Concordia Center for Composites, which was approved by the Board of

Directors of the University in 1993. Dr. Hoa was Chair of the Department of Mechanical Engineering at Concordia from 1994 till 2000 and is currently Chair of the Department of Mechanical and Industrial Engineering at Concordia since 2003. He is Editor, North America of the Journal of Science and Engineering of Composite Materials. He has written four books on composites and is author and co-author of four patents. He is Fellow of the American Society of Mechanical Engineers and of the Canadian Society for Mechanical Engineering. He was awarded Concordia Research Fellow for 2001. He was appointed Concordia Chair in Materials and Composites for 2001-2007.

Another Biography:
Dr. Suong Van Hoa is a professor at the Department of Mechanical and Industrial Engineering at Concordia University. He has been working on composite structures and materials since 1979. He is the recipient of the G. H. Duggan Medal of the Canadian Society for Mechanical Engineering for work on Advanced Materials. He is also Fellow of the American Society of Mechanical Engineers, the Canadian Society for Mechanical Engineering, and the Engineering Institute of Canada. He has written 4 books, edited 1 book and 10 conference proceedings. He has 4 patents. He is currently President of the Canadian Association for Composite Structures and Materials (CACSMA). He is Editor in chief of the international Journal of Science and Engineering of Composite Materials. He received the NSERC Synergy award in October 2006 and in October 2009, and the Prix Partnetariat from the Association des Directeurs de Recherche Industrielle du Quebec in November 2006. He received the Nano Academia prize from Nanoquebec in 2008, and he was given the title Research Fellow from Pratt & Whitney in 2008. He is currently leading two projects on the development of composite components for aircraft structures for Bell Helicopter Textron Canada Ltd., Bombardier Ltd., DEMA Industries and Delastek Ltd., as part of the Consortium for Research in Aerospace in Quebec (CRIAQ). He is also leader of the NanoQuebec group at Concordia University. In 2012, Dr. Hoa was awarded the NSERC Industrial Chair in Automated Composites Manufacturing, supported by Bombardier Aerospace, Bell Helicopter Textron Canada Ltd., Delastek, Composites Atlantic, and Emergia Aerospace. In 2013, he was inducted into the Canadian Academy of Engineering. He also chaired the 19th International conference on Composite Materials.

Research Interests:
- Monitoring of shrinkage of epoxies
- Surface finish characterisation for composites
- Triax composites for satellite applications
- Advanced thermoplastic composites
- Polymer nanocomposites
- Polymer composites with good electrical conductivity
- Stress analysis and Finite element analysis of composite structures
- Deformation of composite structures subject to shrinkage and residual stresses
- Flammability resistance of composites
- Automated Composites Manufacturing
- Thick composites
- Braided composites
- Self Healing Materials for space applications
- Fiber optics for strain measurement in composites

Selected Publications:
Hoa, S. V., Du, B. L. and Vu-Khanh, T., "Interlaminar Stresses in Tapered Laminates", Polymer Composites, Vol. 9(5), 1988, pp. 337-344

Daoust, J. and Hoa, S. V., "Parameters Affecting Interlaminar Stresses in Tapered Laminates Under Static Loading Conditions", Polymer Composites, Vol. 10(5), 1989, pp. 374-83.

Hoa SV. Analysis for design of fiber reinforced plastic vessels and piping. Technomic Publication: Lancaster, 1991.

Computer-aided design of polymer-matrix composite structures, edited by Suong Van Hoa, Marcel Dekker, 1995, ISBN 0-8247-9558-X

K. He, S. V. Hoa and R. Ganesan (Concordia Center for Composites, Department of Mechanical Engineering, Concordia University, 1455 de Maisonneuve Boulevard West, Montreal, PQ, Canada H3G 1M8), "The study of tapered laminated composite structures: a review", Composites Science and Technology, Vol. 60, No. 14, November 2000, pp. 2643-2657, doi:10.1016/S0266-3538(00)00138-X

He, K., Ganesan, R. and Hoa, S. V., "Interlaminar Stress and Delamination Analysis of Internally-Tapered Composite Laminates", Journal of Reinforced Plastics and Composites, Vol. 23(7), 2004, pp. 707-727.

F. Shadmehri, S. V. Hoa, and M. Hojjati, "Buckling of conical composite shells," Composite Structures, vol. 94, no. 2, pp. 787–792, Jan. 2012.