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## Dr. Stéphane Roche

## Professor of Geospatial sciences

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Stéphane Roche is a full professor at Université Laval's Department of Geomatics Sciences in Québec city, Canada. From 2007 to 2011 he has been the head of the department, and has served as the director of the Centre for Research in Geomatics in 2005-2006. Stéphane Roche is a Research Affiliate to MIT SENSEable City Lab. and is currently a visiting professor at the Department of Infrastructure Engineering, The University of Melbourne. He is a surveyor engineer (Ecole Supérieure des Géomètres et Topographes – ESGT, Paris, 1993); he has a master's degree in land planning (1994) and a Ph.D. in geography-GIS (1997) from the University of Angers.

Prof. Roche teaches Geographic Information Systems (GIS), Cartography and Geographic Information Society at both undergraduate and graduate level. He is currently supervising 1 post-doc, 5 Ph.D and 2 master students. He has been involved in the supervision and co-supervision of 3 post-doc, 3 research fellows, 7 Ph.D., 36 masters and 35 undergraduate students. His research directions are twofold: (1) the analysis of the relationships between space and society (what is called spatiality) with regard to the development process of the GeoWeb 2.0 (VGI, geocrowdsourcing...); and (2) the design of geomatics collaborative solutions (participatory GIS, WikiGIS, surface mapping...) to address participatory GeoDesign practices. He is particularly interested in smart city researches in relation to citizens spatial enablement. His current work focuses on how to support citizens' engagement in smart city by improving their spatial skills and digital spatiality. Prof. Roche is currently involves (half as a principal investigator) in 11 funding research projects by CRSNG, CRSH, GEOIDE, FQRSC, FCI... (total : 2.5 millions \$CD).

Prof. Roche coordinated with Claude Caron (University of Sherbrooke) the writing of "Organizational Facets of GIS", published in 2009 by John Wiley and Sons. He was also (with Rob Feick from the University of Waterloo) guest editor of the Geomatica special issue (vol. 64, n. 1) on Volunteered Geographic Information – VGI. He is currently guest editor (with Mike Goodchild, University of California, Santa-Barbara) of the special issue on Geodesign of the International Journal of Geomatics and Spatial Analysis. He has published 5 books (3 as editor), 15 book chapters, 35 papers in international refereed journal (Journal of URISA, Environment and Planning B, Transaction in GIS, Geojournal, Geomatica, International Journal of SDI Research, International Journal of Geomatics and Spatial Analysis...), 100 others publications (international conference proceedings, professional journals, research reports; he was guest editor of 4 journal special issue and has given 105 presentations all over the world (most of them as invited speaker).

Prof. Roche serves on several journals and conferences comitees (Geomatica, IJSDIR, Geojournal...) and is regularly involved as a scientific experts (French ANR and AERES, Qatar RNF, European Commission and ESF, Canadian CRSNG, CRSH, FQRSC, US NSF...). He is a member of the Ordre des Ingénieurs du Québec, and he serves, among other positions, as on the board of directors of the Joncas Fund (Quebec Order Of Land Surveyors OAGQ) and of the Quebec Municipal Geomatics Association – AGMQ.