

COMITÉ FRANÇAIS DE CARTOGRAPHIE

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Paris, le 12 mars 2023

Dr. Thomas Schulz

**Federal Statistical Office FSO
Publishing and Dissemination Section PUB
CH-2010 Neuchâtel, Espace de l'Europe 10
SUISSE**

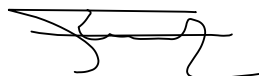
Monsieur le Secrétaire Général

Le Comité Français de Cartographie a l'honneur de vous faire part de la candidature d'un membre du CFC pour les postes à l'Association Cartographique Internationale :

- Dr Guillaume TOUYA pour un poste de président de la « Commission on Multi-scale Cartography ».

Vous trouverez en pièce jointe sa candidature avec les termes de référence de la commission et son CV.

Vous remerciant pour la prise en compte de cette candidature proposée par le Comité Français de Cartographie, nous vous prions d'agréer, Monsieur le Secrétaire Général, l'expression de nos sentiments distingués.



François Lecordix
Secrétaire Général du Comité Français de Cartographie

Guillaume Touya

Senior researcher,
LASTIG – IGN, Univ Gustave Eiffel
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EDUCATION

Habilitation, Geographic Information Science, Université Paris-Est, Spring 2017

Dissertation Title: “Vers l’automatisation de la production de cartes”

PhD, Geographic Information Science, Université Paris-Est, 2011

Dissertation Title: “Le Modèle CollaGen - Collaboration de processus automatiques pour la généralisation cartographique de paysages hétérogènes”

Msc, Geographic Information Science, Université Paris-Est, 2004

WORK HISTORY

- Vice-Head of LASTIG lab, Summer 2018-2021
- Head of COGIT team, LASTIG, Summer 2017-2019
- Senior researcher in COGIT research team, LASTIG, IGN, 2011-Summer 2017
- Research engineer, COGIT research team, IGN, Fall 2004-2008

MAIN PUBLICATIONS

Touya, Guillaume, Zhang, X., Lokhat, I. (2019). Is deep learning the new agent for map generalization? International Journal of Cartography 5(2-3): 142-57. <https://doi.org/10.1080/23729333.2019.1613071>.

Touya, Guillaume, Christophe, S., Favreau, J.-M., Ben Rhaïem, A. (2019). Automatic derivation of on-demand tactile maps for visually impaired people: first experiments and research agenda. International Journal of Cartography 5(1): 65-91.

Touya, G., Antoniou, V., Olteanu-Raimond, A.-M., Van Damme, M.-D. (2017). Assessing crowdsourced POI quality: Combining methods based on reference data, history, and spatial relations. ISPRS International Journal of Geo-Information 6 (3), 80+.

Olteanu-Raimond, A.-M., Hart, G., Touya, G., Kellenberger, T., Foody, G., and Demetriou, D. (2017). The scale of VGI in map production: A perspective of european national mapping agencies. Transactions in GIS, 21(1):74-90.

Touya, G., Brando, C., 2013. Detecting Level-of-Detail inconsistencies in volunteered geographic information data sets. Cartographica: The International Journal for Geographic Information and Geovisualization 48 (2), 134-143.

Touya, G., Duchêne, C., Ruas, A., 2010. Collaborative Generalisation: Formalisation of Generalisation Knowledge to Orchestrate Different Cartographic Generalisation Processes. In: Fabrikant, S., Reichenbacher, T., van Kreveld, M., Schlieder, C. (Eds.), Geographic Information Science. Vol. 6292 of LNCS. Springer Berlin Heidelberg, pp. 264-278.

Touya, G., 2010. A road network selection process based on data enrichment and structure detection. Transactions in GIS 14 (5), 595-614.

Girres, J.-F., Touya, G., 2010. Quality assessment of the french OpenStreetMap dataset. Transactions in GIS 14 (4), 435-459.

RESEARCH PROJECTS

LostInZoom (ERC 101003012)

Principal Investigator, 2021-2026

ACTIVmap (ANR-19-CE19-0005)

Partner leader, 2020-2024

MapMuxing (ANR-14-CE24-0011-01)

Project leader, Fall 2014-2019

PEA REP

Partner leader, 2011-2013

EuroSDR State of the art in map generalisation

Member, 2006-2009

PROFESSIONAL MEMBERSHIPS

- Chair of the ICA commission on Map Generalisation and Multiple Representation (2017-)
- Chair of the commission on VGI and Crowdsourcing at French GDR MAGIS CNRS (2017-2021)

HONORS AND AWARDS

2018 Henry Johns Award for the most outstanding paper published in 2017 (Cartographic Journal).

Saint-Mandé, January, 30th, 2023,

ENSG

LASTIG: Laboratory of Geographic Information Sciences and Technologies

Dr. Guillaume TOUYA

LASTIG, Univ Gustave Eiffel, IGN-ENSG

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Object: Letter of intention to chair the ICA commission on multi-scale cartography.

I, Guillaume Touya, senior researcher at IGN-France and Univ Gustave Eiffel, and current chair of the ICA commission on map generalization and multiple representation, confirm with this letter that I am candidate to be chair of the same commission, that would be renamed "ICA commission on multi-scale cartography", for the period 2023-2027.

I will do my best to follow the new Terms of Reference for the commission, joint with this letter of intention.

Guillaume Touya



New Terms of Reference of the Commission on multi-scale cartography (former commission on Generalization and Multiple Representation), 2023-2027

1. To foster research and practical experience in multi-scale issues and automated map generalisation and to form a network and focal point for researchers and practitioners in this domain.
2. To promote open science in map generalisation by developing open benchmark datasets (i.e. standardised sample test data), best practices, open source platforms, and open source code related to papers published at the commission workshops.
3. To contribute to the effort to contain climate change:
 - initiate research on energy-sober web maps
 - promote new ways to gather the community, more compatible with climate change issues.
4. To maintain a World Wide Web site for electronic dissemination of research on multiscale issues and map generalisation, including:
 - a membership database,
 - a bibliographic database,
 - examples of research projects,
 - links to related websites,
 - promotion of the shared ontology designed in the past by commission members,
 - and an electronic discussion list.
4. To maintain a liaison with related commissions and working groups within the ICA as well as in related national and international organisations (e.g. ISPRS, IGU, EuroSDR).
5. To organise sessions and meetings for exploring the issues named above, including:
 - workshops held every two years in conjunction with International Cartographic Association conferences
 - special sessions and/or panel sessions at International Cartographic Association conferences, in collaboration with local organisers
6. To produce publications for dissemination of the above efforts, including one special issue of a peer-reviewed scientific journal or a book every four years.