Thomas Schulz
Secretary-General and Treasurer of the ICA

February 14, 2023

Dear Mr Schulz,

Our society nominates **associated professor Otakar Čerba** for the position of Chair of ICA Commission on Maps and the Internet for the period 2023-2027.

Otakar Čerba is the long-time member of this commission since 2007 and the official representative of Czech Cartographic Society in the commission. He has been very active in previous years. He organized the commission meeting in Plzeň (2013), participated in meetings in Zadar, Orleans, Curitiba or Columbus and published in books edited by the commission. As of 2019, he is the Chair of the International Cartographic Association's Commission on Maps and the Internet. He participated in the organization of meetings and workshops in Florence and Nessebar. Our society is convinced his activities will continue in the next period.

In attachments, there is CV of associated professor Otakar Čerba and his statement to our nomination.

Yours sincerely

Vaclav Talhofer
president of the Czech Cartographic Society

Otakar Čerba

Nationality: Czech   **Date of birth:** 16/06/1975   **Gender:** Male

📞 **Phone number:** (+420) 604475579   ✉ **Email address:** ota.cerba@gmail.com

Ⓢ **Skype:** ota.cerba   in **LinkedIn:** https://www.linkedin.com/in/otakarcerba/

📍 **Home:** Luční 898, 33901 Klatovy (Czechia)

WORK EXPERIENCE

Academic stuff
University of West Bohemia [1999 – Current]

Address: Plzeň (Czechia)
City: Plzeň
Country: Czechia
Business or sector: Education

- Teaching - Thematic cartography, Geographic cartography, GeoWeb, History of maps and mappings, Socia-economic geography for geomatics.
- Supervising of bachelor and master thesis.
- Research - thematic maps on the Internet, geo-ontologies, geo-semantics, spatial data harmonization, markup languages in geomatics, spatial Linked Open Data.
- Cooperation on projects - Multimedia Geomatics, VisualHealth, SDI-EDU, plan4business, SDI4apps.

Spatial data expert
Help service remote sensing [2006 – 2015]

Address: Benešov (Czechia)
City: Benešov
Country: Czechia
Business or sector: Professional, scientific and technical activities

- Research on spatial data modelling and harmonization, Linked data
- Cooperation on projects - Humboldt, Habitats, SmartOpenData

Spatial data expert
Czech Centre for Science and Society [2010 – Current]

Address: Praha (Czechia)
City: Praha
Country: Czechia
Business or sector: Professional, scientific and technical activities

- Cooperation of CentraLab project - pilot Environment and Education and Rosie project

Spatial data expert
Plan4all [2017 – Current]

City: Horní Bříza
Country: Czechia

- Participation in international projects (Polirural)
- Development of platform for the assessment of of rural attractiveness

Spatial data semantics analyst
FAO UN (CIARD / AIMS / AGORA team) [2014 – 2015]

City: Rome
Country: Italy

Analysis of spatial data semantics in the AGROVOC thesaurus

Chair of the ICA Commission on Maps and the Internet
[2019]

EDUCATION AND TRAINING

Ing.
University of West Bohemia [1992 – 1999]

Address: Plzeň (Czechia)
Field(s) of study: Geomatics
Level in EQF: EQF level 7

- Geomatics, cartography, GIS, surveying, mathematics, cadastre
- Topic of diploma thesis: Transformations in cartography

Mgr. (Master)
University of West Bohemia [1995 – 2000]

Address: Plzeň (Czechia)
Field(s) of study: Teacher training and education science
Level in EQF: EQF level 7

- Teaching of geography and information technologies for high schools
- Topic of diploma thesis: Emergency information system

Ph.D.
Charles University [2003 – 2012]

Address: Prague (Czechia)
Field(s) of study: Geomatics
Level in EQF: EQF level 8

- Cartography, geoinformatics, remote sensing
- Topic of dissertation: Transformation of land cover and land use classification systems with use of ontologies

Assoc. prof.
Brno University of Technology [2015 – 2018]

Address: Antonínská 548/1, 60190 Brno (Czechia)

LANGUAGE SKILLS

Mother tongue(s): **Czech**

Other language(s):

English

LISTENING B2 **READING** C1 **WRITING** C1
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Slovak

LISTENING C2 **READING** C2 **WRITING** B1
SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

German

LISTENING A2 **READING** A1 **WRITING** A1
SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

Russian

LISTENING A2 **READING** A2 **WRITING** A1
SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

DIGITAL SKILLS

GIS / Ontologies / Office software / Web mapping

JOB-RELATED SKILLS

Job-related skills

- Modelling of geographic features and spatial data harmonization using principles of ontological engineering and Linked Data
- Thematic cartography and maps on the Internet (accessibility, interpretation)
- XML technologies in cartography (SVG, XSLT)
- Geo-semantics

German

LISTENING A2 **READING** A1 **WRITING** A1
SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

Russian

LISTENING A2 **READING** A2 **WRITING** A1
SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

To:
Thomas Schulz
Secretary-General and Treasurer of the ICA

Plzeň, 30. January 2023

Dear Secretary-General of the ICA

please express my agreement with the proposal of the Czech Cartographic Society on my nomination for the chair of the ICA Commission on Maps and the Internet. I accept this nomination with humility. If elected, I will be honourred and rewarded to work for ICA.

Doc., Ing., Mgr. Otakar Čerba, Ph.D.

Terms of Reference 2023-2027 (ICA Commission on Maps and the Internet, proposal)

- Research and identify emerging trends in the intersection of cartography and the Internet, such as 3D cartography, semantic issues in cartography and spatial data, participatory mapping and co-creation, new education methods related to the Internet, web 3, data science, Big Data, machine learning, artificial intelligence, virtual and augmented reality, Linked Open Data, and the Internet of Things.
- Develop short- and medium-term research goals that address critical challenges related to maps and the Internet, such as advancing Internet mapping technologies, perception and interpretation of web maps, including 3D views, interconnection of web cartography with non-cartographic web tools and technologies, or exploring transnational and multicultural perspectives of Internet maps.
- Facilitate educational activities related to maps on the Internet, including developing training materials, organizing workshops, webinars, and seminars, and fostering collaboration with relevant educational institutions.
- Disseminate research findings and relevant documents through various channels, including scientific journals (with a preference for Open Access journals), the official website of the commission, and social media.
- Organize or co-organize various events, such as ICC sessions, workshops, hackathons, mapathons, and international conferences, to promote networking and knowledge-sharing among professionals in the field, with the option to hold virtual events to accommodate a more significant number of participants.
- Actively promote the activities of the commission and the ICA in general to increase participation and engagement, focusing on addressing the issue of low involvement in the Commission on Maps and the Internet.
- Foster collaboration and knowledge-sharing with other ICA commissions, such as the Commission on Education and Training, the Commission on Cartographic Heritage into the Digital, the Commission on Location-Based Services, the Commission on Open Source Geospatial Technologies, the Commission on Ubiquitous Mapping, and the Commission on Use, User, and Usability Issues, to facilitate cross-commission research and information exchange; to consider closer interconnection with ICA commissions mentioned above.

Otakar Čerba
01/03/23, Plzeň, Czechia