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Research Interest: My research is trying to address different computing and computational issues of geographic information sciences with a focus on distributed geographic information computing and services (DGICS), which includes interoperability, performance improving, distributed visualization, multi-dimensional processing, and Web Services.

Professional Experience: Assistant Professor of GISciences (2003.8-present), George Mason Univ.; Research Scientist (2001. 10-2003.8), George Mason Univ.; Post-Doctoral Research Fellow (2000.10-2001.9), Department of Geomatics, Univ. of Calgary, Canada

Software: CyberStudio 1.0 (1999, team leader): the kernel of a project titled Chinese National Spatial Information Infrastructure, which is awarded Ten Achievements of Chinese Universities in 2000; GeoServNet (2001, team leader): for building online GIS Services, commercialized at Canada; Cyber-GIS (2003, team leader): a high performance Web-based GIS, patent pending and under commercializing

Grants or Contracts: Serve as PI or Co-I for over ten projects sponsored by NASA, USGS, NPS, Unidata, Intergraph, Virtual Learning Systems Inc. My responsibility in these projects are focused on distributed geographic information computing and services, such as the research on interoperability through *Virginia Access – Middle Atlantic Geospatial Information Consortium* (NASA NAG13-01009) and *Building an Interoperable Webmapping Portal for Middle Atlantic Region* (USGS/FGDC CAN. 03HQAG0146)

Selected Recent Publications

1. **Yang C.**, Wong D., Yang R., and Kafatos M., Li Q., 2004, Performance Improving Techniques in WebGIS, *International Journal of Geographic Information Sciences*, in press.
2. **Yang C.**, Kafatos M., Wong D., Yang R., Cao Y., 2004, GridGIS: A next generation GIS, CITSA 2004, Jul. 21-25, Orlando, FL, pp.22-27.
3. **Yang C.**, Kafatos M., Wong D., Yang R., 2004, Network GIS, Earth Systems and Remote Sensing, Edited by Menas Kafatos and John Qu, London: Springer, in press
4. **Yang C.**, Tao V., 2004, Chap.7: Distributed Geospatial Information Services, *Frontiers of Geographic Information Technology*, Edited by Sanjay Rana and Jayant Sharma, London: Springer, in press.
5. **Phil C. Yang**, David W. Wong, Menas Kafatos, Network GIS: A Practical Approach, a book contracted to be published by Springer to be published in 2006.

Public Services: advisory Board of FGDC Geospatial One-Stop (GOS) Digital Elevation Model; reviewer of GOS Framework Data Content Standards; President Elect of CPGIS; Panelist for FGDC 2004 CAP and NSF SEIII