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# TerraVision II: visualizing massive terrain databases in VRML

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### Cited by IEEE Publications (17)

- Di Staso, U.; Soave, M.; De Amicis, R. "Engaging Outdoor User Experience Based on High Fidelity 3D Terrain Representation on Mobile Apps", *Computing for Geospatial Research and Application (COM.Geo), 2013 Fourth International Conference on*, On page(s): 56 - 63  
[Abstract](#) | Full Text: [PDF](#) (1026KB)
- Anhua Lin; Jianzhong Zhang; Yu Zhang; Zhicheng Wang; Gang Yu "An Efficient Mechanism for Querying Offline Map Database on Smartphones", *Computer and Information Technology (CIT), 2012 IEEE 12th International Conference on*, On page(s): 76 - 81  
[Abstract](#) | Full Text: [PDF](#) (569KB)
- Lindstrom, P.; Pascucci, V. "Visualization of large terrains made easy", *Visualization, 2001. VIS*



[Abstract](#) | Full Text: [PDF](#) (2116KB)

4. Zhang Jia; Liu Xiang "GIS- and RS-based investment projects information system for National Bureau of Statistics", *Networking and Digital Society (ICNDS), 2010 2nd International Conference on*, On page(s): 153 - 156 Volume: 2, 30-31 May 2010

[Abstract](#) | Full Text: [PDF](#) (1283KB)

5. Tillo, T.; Grangetto, M.; Olmo, G. "Scalable Image Retrieval from Distributed Images Database", *Multimedia and Expo, 2006 IEEE International Conference on*, On page(s): 1789 - 1792

[Abstract](#) | Full Text: [PDF](#) (232KB)

6. Cohen-Or, D.; Rich, E.; Lerner, U.; Shenkar, V. "A real-time photo-realistic visual flythrough", *Visualization and Computer Graphics, IEEE Transactions on*, On page(s): 255 - 265 Volume: 2, Issue: 3, Sep 1996

[Abstract](#) | Full Text: [PDF](#) (3256KB)

7. Reddy, M.; Leclerc, Y.; Iverson, L.; Bletter, N. "TerraVision II: visualizing massive terrain databases in VRML", *Computer Graphics and Applications, IEEE*, On page(s): 30 - 38 Volume: 19, Issue: 2, Mar/Apr 1999

[Abstract](#) | Full Text: [PDF](#) (1004KB)

8. Heinonen, A.; Pulkkinen, S.; Rakkolainen, I. "An information database for VRML cities", *Information Visualization, 2000. Proceedings. IEEE International Conference on*, On page(s): 469 - 473

[Abstract](#) | Full Text: [PDF](#) (584KB)

9. Buffa, M.; Lafon, J.-C. "3D virtual warehouse on the Web", *Information Visualization, 2000. Proceedings. IEEE International Conference on*, On page(s): 479 - 484

[Abstract](#) | Full Text: [PDF](#) (1000KB)

10. Maitreyee, B.; Chua Hean Hean; Kon Ih Lunn; Paulynn Ong Yi Jie; Prakash, E.C.; Chan, T.K.Y. "Terrain data warehouse", *TENCON 2000. Proceedings*, On page(s): 514 - 517 vol.2 Volume: 2, 2000

[Abstract](#) | Full Text: [PDF](#) (332KB)

11. Belfore, L.A., II; Chitithoti, S. "An interactive land use VRML application (ILUVA) with servlet assist", *Simulation Conference, 2000. Proceedings. Winter*, On page(s): 1823 - 1830 vol.2 Volume: 2, 2000

[Abstract](#) | Full Text: [PDF](#) (580KB)

12. Belfore, L.A., II; Chitithoti, S. "Multiuser extensions to the Interactive Land Use VRML Application (ILUVA)", *Simulation Symposium, 2001. Proceedings. 34th Annual*, On page(s): 159 - 166

[Abstract](#) | Full Text: [PDF](#) (628KB)

13. Beck, M.; Moore, T. "Toward a scalable architecture for logistical management of active content", *Parallel Processing Workshops, 2002. Proceedings. International Conference on*, On page(s): 473 - 479

[Abstract](#) | Full Text: [PDF](#) (366KB)

14. Tanikawa, T.; Hirota, K.; Hirose, M. "A study for image-based integrated virtual environment", *Mixed and Augmented Reality, 2002. ISMAR 2002. Proceedings. International Symposium on*, On page(s): 225 - 233

[Abstract](#) | Full Text: [PDF](#) (1150KB)

15. Kurc, T.; Catalyurek, U.; Chialin Chang, ; Sussman, A.; Saltz, J. "Visualization of large data sets with the Active Data Repository", *IEEE Computer Graphics and Applications*, Volume.21, Issue.4, pp.24, 2001, ISSN: 02721716,  
[Abstract](#) | Full Text: [PDF](#) (464KB)
16. Lindstrom, P.; Pascucci, V. "Terrain simplification simplified: a general framework for view-dependent out-of-core visualization", *IEEE Transactions on Visualization and Computer Graphics*, Volume.8, Issue.3, pp.239, 2002, ISSN: 10772626,  
[Abstract](#) | Full Text: [PDF](#) (2939KB)
17. Kooima, R.; Leigh, J.; Johnson, A.; Roberts, D.; SubbaRao, M.; DeFanti, T.A. "Planetary-Scale Terrain Composition", *IEEE Transactions on Visualization and Computer Graphics*, Volume.15, Issue.5, pp.719, 2009, ISSN: 10772626,  
[Abstract](#) | Full Text: [PDF](#) (2857KB)

### Cited by Other Publications (4)

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1. Pajarola, Renato; Gobbetti, Enrico "Survey of semi-regular multiresolution models for interactive terrain rendering", *The Visual Computer*, Volume.23, Issue.8, pp.583, 2007, ISSN: 01782789,  
[\[CrossRef\]](#)
2. Zhou, Guoqing; Tan, Zenyu; Cen, Minyi; Li, Chaokui "Customizing Visualization in Three-Dimensional Urban GIS via Web-Based Interaction", *Journal of Urban Planning and Development*, Volume.132, Issue.2, pp.97, 2006, ISSN: 07339488,  
[\[CrossRef\]](#)
3. Zhaoting, Ma; Chengming, Li; Mao, Pan "An incremental LOD method based on grid and its application in distributed terrain visualization", *Geo-spatial Information Science*, Volume.8, Issue.2, pp.128, 2005, ISSN: 10095020,  
[\[CrossRef\]](#)
4. Kim, Seungjun; Dey, Anind K. "AR interfacing with prototype 3D applications based on user-centered interactivity", *Computer-Aided Design*, Volume.42, Issue.5, pp.373, 2010, ISSN: 00104485,  
[\[CrossRef\]](#)

### Cited in Patents (2) Patent Links Provided by 1790 Analytics

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1. CHEN, Billy ; OFEK, Eyal ; COHEN, Michael ; KOPF, Johannes ; STEIN, Casey , "ADJUSTABLE AND PROGRESSIVE MOBILE DEVICE STREET VIEW" , Patent No. EP2577440  [View at Patent Office](#) | Full Text Not Available 
2. Cooke, Steven W. , "RELATIVE GEOMETRY SYSTEM AND METHOD" , Patent No. 7412364   
[View at Patent Office](#) | Full Text:[PDF](#) 

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