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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, Turkey 2017 - Continues

Postgraduate, Middle East Technical University, Graduate School of Informatics, Modeling and Simulation, Turkey 2013 - 2016

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2009 - 2013

Research Areas

Computer Graphics, Augmented Reality, Information Visualization, Computer Graphics, Virtual Reality

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Path guiding for wavefront path tracing: A memory efficient approach for GPU path tracers**
YALÇINER B., AKYÜZ A. O.
Computers and Graphics (Pergamon), vol.121, 2024 (SCI-Expanded)
- II. **Global propagation of air pressure waves and consequent ocean waves due to the January 2022 Hunga Tonga-Hunga Ha'apai eruption**
Dogan G. G., YALÇINER A. C., Annunziato A., YALÇINER B., Necmioglu O.
Ocean Engineering, vol.267, 2023 (SCI-Expanded)
- III. **Long wave generation and coastal amplification due to propagating atmospheric pressure disturbances**
Dogan G. G., Pelinovsky E., Zaytsev A., Metin A. D., ÖZYURT TARAKCIOĞLU G., YALÇINER A. C., YALÇINER B., Didenkulova I.
NATURAL HAZARDS, vol.106, no.2, pp.1195-1221, 2021 (SCI-Expanded)
- IV. **Voxel transformation: scalable scene geometry discretization for global illumination**

Articles Published in Other Journals

- I. **COASTAL MONITORING OF THE OKHOTSK SEA USING AN AUTONOMOUS MOBILE ROBOT**
Zaytsev A., BERESNEV P., FLATOV V., MAKAROV V., TYUGIN D., ZEZIULIN D., PELINOVSKY E., YALÇINER A. C.,
YALCINER B., OSHMARINA O., et al.
Science of Tsunami Hazards, vol.36, pp.1-12, 2017 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Complete Tsunami Hazard Assessment, Vulnerability and Risk Analysis for the Marmara Coast of Istanbul Metropolitan Area**
Yalçiner A. C., Süzen M. L., Tüfekçi Enginar D., Doğan G. G., Kolat Ç., Çelikbaş B., Yalçiner B., Çabuk Ö., Baş M., Kılıç O.,
et al.
European Geophysical Union General Assembly, Vienna, Austria, 7 - 12 April 2019, vol.21, pp.1
- II. **Storm surge analysis for French West Indies**
Zahibo N., Krien Y., Arnau G., Yalciner B., Zaytsev A., Yalciner A. C., Cabuk O., Tarakcioglu G. O., Dogan G. G.,
Pelinovsky E., et al.
14th MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and Conservation,
MEDCOAST 2019, Marmaris, Turkey, 22 - 26 October 2019, vol.2, pp.703-710
- III. **Tsunami Human Vulnerability Assessment of Silivri District, Istanbul**
TÜFEKÇİ ENGİNAR D., SÜZEN M. L., YALÇINER A. C., KOLAT Ç., DOĞAN G. G., YALÇINER B., Zaytsev A.
EGU General Assembly 2018, Viyana, Austria, 8 - 13 April 2018
- IV. **Accelerated Solutions in Tsunami Simulation and Visualization with Case Studies”**
YALCINER B., YALÇINER A. C., Zaytsev A.
26th International Tsunami Symposium, Balvi, Latvia, 21 - 23 August 2017
- V. **Effects of harbour shape on the induced sedimentation**
Kian R., Velioglu D., YALÇINER A. C., Pelinovsky E., Kurkin A., Zaytsev A., Yalciner B., Pamuk A.
13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and
Conservation, MEDCOAST 2017, Mellieha, Malta, 31 October - 04 November 2017, vol.2, pp.947-954
- VI. **Meteotsunami generation, propagation and amplification**
Metin A. D., Pelinovsky E., YALÇINER A. C., Zaytsev A., Tarakcioglu G., Yalciner B., Kurkin A.
13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and
Conservation, MEDCOAST 2017, Mellieha, Malta, 31 October - 04 November 2017, vol.2, pp.1143-1154

Metrics

Publication: 12

Citation (WoS): 12

Citation (Scopus): 19

H-Index (WoS): 1

H-Index (Scopus): 3