

The ISPRS International Contest of Individual Tree Crown (ITC) Segmentation

The individual tree delineation based on aerial images is a classic and important topic for forest-related research in order to understand the forest/tree status, change, and characteristics. The International Society for Photogrammetry and Remote Sensing (ISPRS) International Contest of Individual Tree Crown (ITC) Segmentation, hosted by the Commission III WGIII/1 Remote Sensing Data Processing and Understanding, aims to benchmark existing and newly developed ITC delineation methods, clarify their status and bottlenecks, and promote the development in this area.

The participants use their methods to perform the ITC delineation, submit the results, and document their methods. The winning teams will be awarded \$3k (the 1st ranked team), \$2k (the 2nd- and 3rd- ranked teams), and \$1k (the 4th- to 6th-ranked teams) prize, respectively. All participants who provide decent results and method descriptions will be invited to be the co-author of a joint paper for this study after the contest, i.e., 1-2 co-author(s) per participant as provided by the participant.

This contest started on 28nd Jan, 2024 and will ends on May 31st,2024. From 28nd Jan to May 19th, participants develop the method and submit the validation results to check the real-time rank. On May 20th, the testing set will be released and the final results (testing results + method description) submission will be accepted. The deadline of final results submission is May 24th. The winners will be announced on May 31st, and the awarding ceremony will be held in the ISPRS Technical Commission III Mid-term Symposium in Nov, 2024 in Belém, Pará, Brazil.

More details about the contest can be found at:

<https://www2.isprs.org/commissions/comm3/wg1/itc-segmentation-contest/>. For more information, please contact WG Chair Xinlian Liang, xinlian.liang@whu.edu.cn

