The advanced computing technologies, such as embedded computing, cloud computing, artificial intelligence, big data, and wireless communication, are increasingly used in autonomous and trusted vehicles. The realization of high-level autonomous and trusted vehicles requires the efforts in hardware, software, networks, platforms, and services. Today, autonomous and trusted vehicles need the breakthroughs in automotive electrical and electronic architecture, vehicular networks, automotive operating systems, automotive software tools, etc. Ensuring the safety and security of autonomous and trusted vehicles during the full life cycle is critical. The safety and security issues of autonomous and trusted vehicles are required in terms of architecture, model, methodologies, and platform. Autonomous and trusted vehicles aim at making the hardware/software/network system be available, predictable, controllable, assessable, sustainable, reliable, durable, and secure.

The main conference of ATC 2023 will be held on 25th-28th August 2023 in Portsmouth, UK and will provide a high-profile, leading-edge forum for scientists, engineers and researchers to discuss and exchange novel ideas, results, experiences and work-in-process around the autonomous and trusted vehicles.

**IEEE Advanced and Trusted Computing 2023 Calls**

Papers are limited to 8 pages. Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed) in Conference Proceedings. Best Paper Awards will be presented to high quality papers. Selected papers will be recommended to prestigious journals.

**IEEE ATC 2023 Website:** [https://ieee-smart-world-congress.org/atc-2023/](https://ieee-smart-world-congress.org/atc-2023/)