Telematics applications benefit from the tremendously increasing capabilities in web technology, telecommunication, machine–machine communication, and information processing. The concepts of Cyber Physical Systems, Industrial Internet and of Internet of Things enlarge the scope of classical remote control and offer several new applications. However, beyond sound reference examples of new technology one needs appropriate theory, methods, proof of concepts and industrial standardization as well. All these aspects are within the scope of the 6th IFAC Symposium on Telematics Applications. The symposium, through its technical program, will provide a unique opportunity for the academic and industrial community to formulate new challenges, share solutions and discuss future research directions.

This Symposium considers all aspects of communication–based automatic control and network systems. Both colleagues from academia and from industry are cordially invited to contribute to this tri–annual symposium. Topics of interest are:

- telematic methods, mathematics of networked systems
- control through networks, control of networks
- cyber physical systems, cyber physical production systems, internet of things
- industry 4.0, digitalization of industrial production
- interoperability for distributed systems
- machine to machine communications, intelligent–defined networking, green networking
- traffic control systems, smart and networked cars
- aerospace, space
- intelligent homes and ambient intelligence
- smart grids for energy supply
- mobile sensor networks, remote sensor data acquisition
- tele–robotics, networked robots, cloud robotics
- spacecraft operations, distributed networked satellites
- tele–operations, remote control, tele–maintenance
- tele–education

All submitted papers must be written in English and are limited to 6 pages. For further instructions of paper submission please refer to https://www.ifac-control.org/events/author-guide. Information for authors and copyright conditions are available at http://ta22.cran.univ-lorraine.fr. All submissions must be done through the IFAC Conference Manuscript Management System website at https://ifac.papercept.net/. Please visit http://ta22.cran.univ-lorraine.fr if you plan to organize an invited session at IFAC TA 2022.

In association with the Erasmus+ project “GrEen Networking And cLoud computing” GENIAL (https://genial.univ-lorraine.fr), a summer school is organized jointly with the conference. More information will be available later.