# OSPERT 2017

13th gathering of the night watch of the
Operating Systems Platforms for Embedded Real-Time applications
in the year of the lord 2017, Kings Landing, Westernos

Lads and ladies,
Lords of the Seven Kingdoms, protectors of the realm, we, Heechul Yun of House Kansas and Marcus Völp of High Castle of the Lux, wielders of the swords of co-chairing, call in the name of the King, thy researcher, thy noble engineer to gather in Kings Landing on the 3rd day after the 6th newmoon in the year of the lord 2017. Don't fear the raven for at that day, no one shall pass the long river that tells the tales and sings the songs of recent advances in Rtos technology, of initiatives and projects of the old, but also of the new and of the adventures that lie beyond the stones of the great wall. The queen has summoned us to the castle of Kings landing to present:

(i) open problems, demos & tutorials, calls to actions, etc.

(ii) experiments, alchemistic and empirical, that can be replication studies, preliminary experiments that would be treason to the king to submit to a conference and songs about the things that failed, and

(iii) technical papers (short work-in-progress and full workshop) that confirm the trust the king has laid in thy.

## Calling of the King

**March 31, 2017**
submission deadline
(by rule of the sword)

**May 8, 2017**
receiving of the word

**May 12, 2017**
submission cast in stone

**June 27, 2017**
the gathering

**June 28-30, 2017**
the queen expects

### Weapons of Tournament
500 words abstract
2 pg short paper
6 pg long paper

### The Lord Protectors
Marcus Völp
University of Luxembourg
Heechul Yun
University of Kansas

## Summer is coming
and with it the beasts of the north that we can only hope to withstand with the swords of knowledge and the hearts of the brave skilled in:

- Case studies and experiment reports
- Certification and verification of Rtos and middleware
- Coordinated management of multiple resources
- Dynamic reconfiguration and upgrading
- Empirical comparisons and evaluations of Rtos
- Flexible processor, memory and I/O scheduling
- Interaction with reconfiguration hardware
- Operating system standards (e.g., Autosar, Arinc, …)
- Power and energy management
- Quality of service guarantees
- Real-time Linux and variants
- Real-time virtualization and hypervisors
- Rtos for multicore and manycore platforms
- Scalability, from small to large
- Security and fault- and intrusion-tolerance for Rtes; and
- All skills in the blades and the magic of real-time operating-system construction.

Earn the honor for the queen and thy family and follow the decisive call of the link to find more about the quest put forth to us: https://ospert2017.snt.uni.lu/
After OSPERT, the gathering of the night watch, Lady Martina Maggio, Mother of Dragons, Queen of the Seven Kingdoms and King Marco Bettoni, House of the waving Hands, organize the grand tournament on Embedded Computing and Real-Time Systems (ECRTS 2017).

## Knights of the Nightwatch
Andrea Bastoni, Reinder J. Bril, Aaron Carroll, Juri Lelli, Shinpei Kato, Hyoseung Kim, Guiseppe Lipari, Daniel Lohmann, Mitra Nasri, Kyoung Soo Park, Harini Ramaprasad, Rich West