The major extension in “A new approach for an anthropocentric design of human-robot collaborative environment”, paper from the IEEE conference “The anthropometric basis for the designing of collaborative workplaces”, are highlighted:

Section 1 (Introduction):

Situation when it is convenient to install a collaborative workstation;

Some difficulties of installation;

Collaborative workstation as a complex system;

Localization of the AGV inside the factory and reverse engineering;

Machine learning to control the robot in HRC;

Cognitive stress for the operator;

Problem of allocation of task.

Section 2 (Background definition)

No important differences

Section 3 (Spaces in human robot collaboration)

No important differences

Section 4 (Description of collaborative operation)

No important differences

Section 5 (Graph based approach)

Graphs: Application of the graph theory to the collaborative workstation

Section 6 (Conclusion)

No important differences