Supplementary material

- *ontology.owl:* this file contains the Ontology used by systems 1, 2 and 3 during the experiments.
- *content_classification.csv:* this file is automatically generated starting from the Ontology and it contains the resulting Dialogue Tree with all conversation topics, their parents, their likeliness, their mapping with CNL categories, and other information.
- *topics_keywords.json*: this file is automatically generated starting from the Ontology and it contains the keywords associated to each topic.
- *topics_sentences:* this folder contains the automatically generated files of the sentences associated with each topic, grouped by semantic area.
- *statistical_analysis.xlsx: this file contains* all the replies to the questionnaire, along with the statistical analysis performed. The first sheet contains the replies to the first 20 questions regarding the Coherence, while the second sheet contains all the answers related to the SASSI questionnaire.
- *questionnaire_answers.xlsx*: this file contains all the replies to the questionnaire. The first 20 columns contain the Coherence evaluation of the systems' responses, while the remaining column contain the answers to the SASSI.

The Ontology contains a total of 2,470 conversation topics.
The topics that are mapped to at least CNL category are 2,348.
The sentences associated to Ontology topics are 24,033.