

TARDIS - a job interview simulation platform

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The TARDIS³ project, funded by FP7, aims at building a serious game for NEETs⁴ and employment/inclusion organisations which supports social training and coaching in the context of job interviews [5].

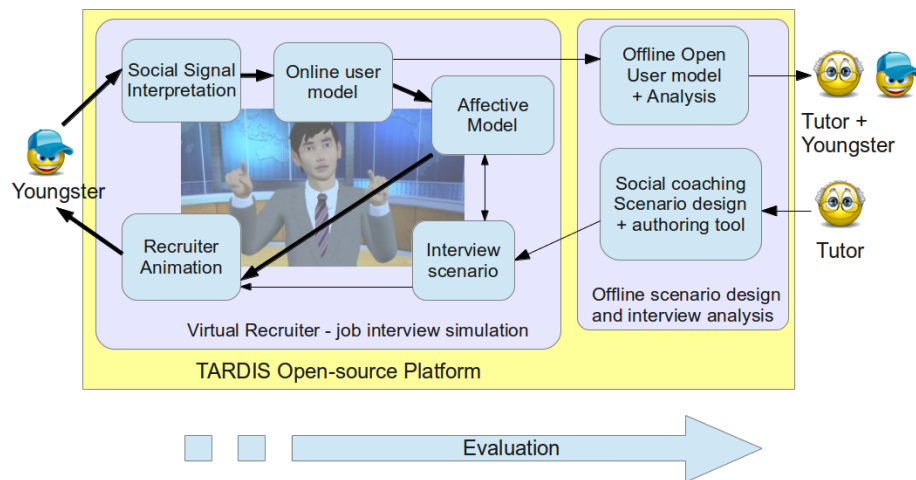


Fig. 1. Architecture of the TARDIS platform

This project has several objectives: 1) to define socio-emotionally credible interactions between a virtual agent and a human [4], by integrating the 3 dimensions of this process (real-time signal processing of the human affects, cognitive evaluation and adaptation of the virtual recruiter, and emotion expression), 2) to allow NEETs to train their social skills thanks to a simulation platform, 3) to provide empowerment organisations a new tool in their work with youngsters.

In this demonstration, we focus on the first part: the interaction loop. The TARDIS architecture (Fig. 1) is composed by 4 modules:

- *Social Signal Interpretation.* This module allows the detection of youngster affects thanks to a Kinect (a motion sensing input device) and a microphone.

³ TARDIS stands for Training young Adult's Regulation of emotions and Development of social Interaction Skills. url: www.tardis-project.eu

⁴ NEET is a government acronym for young people not in employment, education or training.

- *Interview scenario*. It defines the interview progress and the expectation of the recruiter after a question.
- *Affective model of the virtual recruiter*. This module updates the internal state of the virtual agent thanks to detected affects from the system and expected ones from the scenario. Our affective model [1], specially conceived for job interview, is composed of emotions [2], moods and social attitudes.
- *Virtual recruiter animation*. It allows the real-time display of the recruiter affective states thanks to the GRETA conversational agent [3].

The interaction loop and the behaviour of our virtual recruiter (Fig. 2) will be illustrated on a 10 minutes scripted scenario.



Fig. 2. Setting of the simulation of job interview

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