

Hi-Tech Hi-Touch Ecology for Human-Robot Interaction

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To have robots assist our lives we need human-robot interaction to support the natural emotional, intellectual and spiritual needs and social behaviors of people.

Consider the equation : maximize the advantages to fulfill human needs, wills and emotions + minimize the disadvantages that could be created by robots = Positive human-robot interaction, human interest and adoption of robots.

Questions: What are the social impacts of robot introduction to our personal, work and social life? How to improve robots response and communication with humans?

Our challenge: To help combine, balance & leverage the Hi-Tech/Hi-Touch aspects of human-robot interaction.

Hi-tech: multiple digital communication media

Hi-touch: human interactions, knowledge, physical space, behaviors, aesthetics...

The challenge: How to match-to-need, balance, leverage?



Fulfill human needs + emotions = positive human-robot interaction + adoption

Outcomes

1. **Analyze and explore** factors and conditions of an effective Hi-Tech- Hi-Touch Ecology for human-robot interaction.
2. **Design & develop** the HT2 Ecology methodology and toolkit, supporting effective human-robot interaction.
3. **Validate & Implement** the HT2 Ecology methodology and toolkit within a variety of operating environments and organizations.
4. **Assist & Coach** organizations to leap into global markets, while using the new HT2 Ecology methodology and toolkit.
5. **Disseminate** projects results: processes, tools, and methodology in order to impact the European economy.

Our competencies

- Providing expertise in organizational **strategic renewal** based on complexity theories
- Much experience in EC programs- such as implementation of the HT2 approach from **ongoing EC projects**- such as the WearIT@work
- Providing expertise in **Knowledge Management and Innovation Management**
- **Implementation** of tools and **Dissemination** of project results

We are an SME interested in joining and complementing a consortium aiming to R&D robots

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