PRO-VE 2026 Special Session

Agentic Skills in Hybrid Collaborative Networks

Scope

Hybrid Collaborative Networks (HCNs) are getting scientific as well practical attention as an emergent form of value creation. By integrating heterogeneous actors - Human as well as AI agents - HCNs operate across physical, digital, and organizational boundaries. Their performance depends not only on technological sophistication, but on the quality of interaction between humans and artificial agents. While significant research has addressed the architecture, governance, and life-cycle management of collaborative networks, a critical question remains insufficiently explored:

What are the agentic skills required for humans and AI entities to function effectively within Hybrid Collaborative Networks—how do these skills shape performance, resilience, and adaptive capacity?

In general, A*gentic skills* are the capabilities that enable intentional, autonomous, and proactive action within complex systems. These include self-direction, initiative, judgment and decision-making, adaptability, accountability, strategic thinking, learning agility, and boundary-spanning competence. In hybrid settings, these skills are not exclusively human attributes. The dynamics of HCNs amplify the importance of those skills driven by the need for negotiation with incomplete information across boundaries, balancing of skills, adaptive planning, etc.

Understanding agentic skills is essential for explaining how hybrid networks emerge, stabilize, adapt, and remain resilient under stress or crisis. This special session invites conceptual, empirical, methodological, and design-oriented contributions that explore agentic skills in Hybrid Collaborative Networks. We aim for multi agent multi person settings.

Session Organizers

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Topics/ Keywords

Relevant topics include, but are not limited to:
- Defining and modeling agentic skills in HCNs
- Exploring the dynamic skills interaction between humans and intelligent systems.
- Understanding the impact of agentic skills on performance
- Implementing governance and learning models for skill based agentic collaboration
- Explicating the impact of agentic skills in the context of compliance and ethical considerations

We look forward to your contributions and to an engaging discussion at PRO-VE.

Submission procedure

Special sessions are included in the main Conference and follow the same reviewing process.

10 Apr 2026	Abstract submission (optional)
8 May 2026	Full paper submission
19 June 2026	Results notification
3 July 2026	Camera-ready version
26-28 October 2026	Conference

Acceptance of papers is based on the **full paper** (up to **16** pages). Each paper will be evaluated by three members of the International Program Committee.

When submitting on the web site, you have to select the name of the special session.
Submission procedure via Easychair available on: http://www.pro-ve.org, with copy by email to the chairs of the special session.