Call for Contributions

Note: *On-site and Virtual Options*
To accommodate many situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors managed to attend in person but are aware that special circumstances are best handled by having flexible options.

Submission:
1. Inform the Chair about the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICDS+2026+Special
Please select Track Preference as **AgenticLabs**

Special track

AgenticLabs: Agentic Laboratories and Their Real-World Applications

Chair

Lect. Dr. Yulia Kumar, Kean University, USA
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along with

ICDS 2026, The Twentieth International Conference on Digital Society
May 24 - 28, 2026 - Venice, Italy
https://www.iaria.org/conferences2026/ICDS26.html

Agentic systems - LLM-based agents, tool-using orchestrators, and multi-agent workflows - are rapidly moving from prototypes to production "agentic labs" that execute end-to-end work, collaborate with humans, and integrate with real infrastructure (APIs, enterprise systems, cloud platforms, data warehouses, and scientific/engineering workflows). This special track focuses on practical architectures, deployment patterns, evaluation methodologies, safety/governance, and measurable real-world impact across domains such as digital society services, education, cybersecurity, public sector operations, and scientific/engineering applications.

Subtopics for contributions include, but are not limited to:

- Agentic lab architectures (single-agent vs multi-agent, hierarchical planning, human-in-the-loop)
- Tool use and orchestration (function calling, workflow engines, retrieval/memory, MCP-style tool ecosystems)
- Reliability and evaluation (benchmarks, online/offline metrics, robustness testing, failure attribution)

- Safety, security, and governance (access control, auditability, tool/prompt injection defenses, compliance)
- Observability and debugging (tracing, telemetry, agent logs, postmortems)
- Cost/latency controls (budget-aware agent policies, caching, routing, adaptive compute)
- Real-world case studies and deployments (public services, education, cybersecurity operations, digital inclusion, e-government, enterprise processes)
- Data stewardship and privacy for agentic workflows (policy-aware retrieval, redaction, secure enclaves where applicable)

Important Datelines
Inform the Chair as soon as you decide to contribute.
   Submission: April 4
   Notification: April 24
   Registration: May 6
   Camera-ready: May 6

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules:
  http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Papers Submission
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICDS+2026+Special
Please select Track Preference as **AgenticLabs**

Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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