Call for Contributions

1. Inform the Chair: with the title of your contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2024+Special
Please select Track Preference as **E-AGE**
3. Note: *For 2024, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track
E-AGE: Empowering AIOPs with Generative AI

Chairs
Prateeti Mohapatra, IBM Research Lab, India pramoh01@in.ibm.com
Atri Mandal, Atlassian, India amandal@atlassian.com

along with
CLOUD COMPUTING 2024: The Fifteenth International Conference on Cloud Computing, GRIDs, and Virtualization
https://www.iaria.org/conferences2024/CLOUDCOMPUTING24.html
April 14 - 18, 2024 - Venice, Italy

We extend a warm invitation for your active participation in the Special Track titled "E-AGE: Empowering AIOps with Generative AI" at our upcoming Cloud Computing 2024 conference.

This track is dedicated to exploring the domains of AIOps, Generative AI and Intelligent Diagnosis and Remediation systems. The Special Track serves as an excellent forum to present and engage in discussions about insights, innovations, and leading-edge research and best practices in the realm of constructing reliable and resilient AIOps systems.
We highly encourage the submission of comprehensive papers, demos, and posters as well as idea papers. Your participation will contribute to the rich and dynamic discourse at the conference.

Suitable research topics for this special track include, but are not limited to, the following areas:

- Predictive analytics
    - Identifying patterns in alerts/logs/metrics to detect anomalies and provide early warnings for incidents
    - Identifying resource requirements in advance for better capacity planning

- Summarization
    - Understanding and summarizing war room discussions (slack channel conversations, zoom meetings, etc.)
    - Summarizing context information from various sources like incidents, alerts, logs, etc.
    - Generation of runbooks or playbooks for frequently occurring incidents/changes
    - Creation of Post Incident Reports (PIRs) and follow up actions for long term improvements in incident management process

- Conversational use cases
    - Generating conversations in real time through chatbots to facilitate collaboration in IT Ops tasks
    - Providing step by step instructions based on knowledge base articles for faster resolution

- Providing actionable insights for better decision making

- o Identifying potential root causes and/or investigative actions for incidents in real time
- o Suggestion of related deployments, changes and software issues for better cross stack observability

- Code generation
  - o Automating code fixes, PRs, etc. to triage incidents
  - o Automating configuration changes needed to fix an ongoing problem

- Other novel use cases for better incident, change and problem management or collaboration not covered above.

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]

Important Datelines
Inform the Chair or Coordinator: As soon as you decide to contribute
- Submission: Feb 28, 2024 (earlier, better)
- Notification: Mar 17, 2024
- Registration: Mar 27, 2024
- Camera ready: Mar 27, 2024
Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chairs.

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 Open Access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2024+Special
Please select Track Preference as **E-AGE**

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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