

Call for Contributions

Submission:

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=HEALTHINFO+2017+Special>

Please select Track Preference as **HPORT-BD**

Special track

HPORT-BD: Health Portals and Big Data Visualization

Chair and Coordinator

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along with

HEALTHINFO 2017, October 8 - 12, 2017 - Athens, Greece

The Second International Conference on Informatics and Assistive Technologies for Health-Care, Medical
Support and Wellbeing

<http://www.iaria.org/conferences2017/HEALTHINFO17.html>

Data has always been key to measure the quality of care, analyze health trends, predict epidemics and improve treatments. But today, we can do this faster and better than ever before. Health Portals and Visualization Tools can help healthcare organizations leverage analytics to improve their processes and the outcomes of care. Analyzing Big Data holds tremendous promises for improving healthcare.

There is a huge amount of existing data distributed in several repositories and new data generated daily by billions of connected devices or self generated by people. It is necessary to find more appropriate and effective ways to leverage these data in line with privacy and ethical principles, to access them, to understand the purposes for their adoption and their quality in order to improve and optimize care processes, diseases diagnosis, personalized care and in general the healthcare system.

Patients and healthcare professionals are profiting from big data. There is a need to develop approaches that allow for humans and machines to cooperate more closely on exploiting big data for a better health. This includes guarantees on the trustworthiness of information, a focus on generating actionable advice, and improving the interactivity and understandability of big data processing and analytics. The requirements of different target groups - researchers, doctors and care-givers, or patients and general population – may require different focus.

When healthcare organizations envision the future of big data, they often think of using it for analyzing text-based notes. Current analytics technologies for the most part make use of discrete data and struggle to capitalize on all of the valuable clinical information captured in physicians' and nurses' notes. Big data indexing techniques, and some of the new work finding information in textual fields, could indeed add real value to healthcare analytics in the future. With the overlay of advanced big data analytics, healthcare providers and executives can make great leaps ahead in terms of improving patient outcomes, while lowering the costs of doing so.

Submissions are encouraged from all areas of practice relevant to HEALTHINFO 2017.

Topics include, but not limited to:

- Digital Health Applications
- Big Data Technologies in Healthcare
- Health Portals
- Health Data Visualization and Reporting
- Health Economics Analytics
- Geographic Information Systems in Healthcare

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: August 31
- Notification: September 7
- Registration: September 14
- Camera ready: September 14

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.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>

Paper Submission

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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.iaia.org/registration.html>

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