Call for Contributions

Note: Onsite and Online Options
In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

Submission:

1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=PATTERNS+2020+Special
Please select Track Preference as **IoMITA**

Special track

IoMITA: Internet of Medical Imaging Things and Analytics

Chair and Coordinator

Dr. Stella Metodieva Vetova-Ivanova, Technical University of Sofia, Bulgaria
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along with

PATTERNS 2020, The Twelfth International Conference on Pervasive Patterns and Applications
https://www.iaria.org/conferences2020/PATTERNS20.html
October 25 - 29, 2020 - Nice, France

The high technology development in the areas of biomedical sensors, wireless communication systems, information networks and their combination brought to the notion of remote healthcare and distributed healthcare services. The Internet of Medical Things (IoMT) is a technology designed to keep people healthy regardless of time and location. It provides remote health monitoring, control, option for medical diagnostics, visualization and treatment. It also provides medical experts with the actual data to identify health issues and find the most appropriate solution in a timely manner in order to safe one's life.

IoMT is a powerful tool encompassing the combination of hardware, software resources and modern scientific approaches to transfer video, data, speech and to generate 3D color realistic visualization in the strive of representing information without loss. To provide the doctor-patient interaction in a real time, IoMT uses the backbone of the high speed Internet infrastructure. Grandees such as NVIDIA, Siemens and IBM develop healthcare systems in architectures using GPU, CUDA and software bounding artificial intelligence (AI) and knowledge discovery.

At a time when the cost of healthcare rises, IoMT enters people's homes and makes healthcare accessible more than ever. Being designed to help both medical experts and patients, it is one of the most important branches in the high technologies considering medical statistics. It is an appropriate medical mechanism regardless race, gender and age, thus, fulfilling its main task of maintaining one's quality of life and creating the future of a healthier life.

Topics include, but not limited to:

- Medical Pattern Recognition using Deep Learning;
- BioMedical Imaging Platforms;
- Innovative Methods and Apparatuses for Knowledge Data Discovery;
- BioMedical Cloud Technologies and Services for Biomedical Imaging.

Important Datelines

Inform the Chair: As soon as you decide to contribute
Submission: August 1, 2020
Notification: August 21, 2020
Registration: September 1, 2020
Camera-ready: September 1, 2020

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

Paper Submission

https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=PATTERNS+2020+Special
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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.iaria.org/registration.html

Contact

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