

The 2nd International Conference on Universal Village (UV2014)

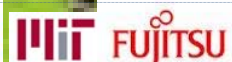
June 16-17, 2014, Boston, USA

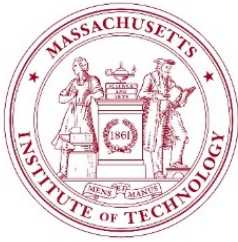


UV2014, Boston, USA

*Humankind in harmony with nature
through wise use of technology*

[http:// universal-village.org /](http://universal-village.org/)





UV2014 Organization Committee
Massachusetts Institute of Technology
Bld.38-107, 77 Massachusetts Ave.
Cambridge, MA 02139
USA



June, 2014

Invitation to International Conference on Universal Village 2014 (UV2014)

On behalf of the Organization Committee of the International Conference on Universal Village 2014 (UV2014), we are writing to invite you to attend UV2014 and its exhibition hosted at MIT on June 16-17th 2014.

Newly proposed by MIT, Universal Village exemplifies a desired future society that pursues human-nature harmony through the wise use of technologies. The concept is an expanded & advanced version of Smart Cities and signifies that we should follow the law of universe, protect environment/eco-system, understand humans' need in depth, and innovate new lifestyles. UV2014 calls for collective effort from multi-disciplinary fields in order to find a systematic, coordinated, long-term solution for environmental challenges, and innovative technologies to create sustainable happiness to residents of the society. UV2014 will convey the following themes and special sessions to explore different aspects of future technologies life, including 1) Green energy sources, 2) New technologies for environmental protection, 3) Innovative technologies that support new life styles on intelligent healthcare, intelligent transportation, city management, future music/art, remote education, etc. 4) Integrated solutions on urgent challenges on safety, security, privacy, climate changes, etc.

We would be extremely grateful if you would share your great vision at UV2014. We sincerely hope that you will accept this invitation. Please feel free to contact us at MIT.UV.Program@universal-village.org. Thank you very much for your kind consideration.

Sincerely yours,

UV2014 Organization Committee

UV' 2014 Call for Paper

June 16-17th, 2014
MIT, USA

The 2nd International Conference on Universal Village (UV 2014)



CALL FOR PAPERS

Universal Village (UV) is a desired future society which protects environment and ecology and addresses human needs in order to provide its residents with sustainable happiness. It is an expanded and advanced version of Smart Cities. International Conference on Universal Village is organized by MIT Universal Village Program to stimulate collaborations among companies, governments, and universities, to explore various aspects of UV such as technical, humanity, social, economical, and political perspectives, etc. The first conference was held in Beijing, P.R.China in 2013. We are now calling for papers for UV2014. Subjects for UV2014 include but are not limited to the following topics.

- Develop systematic methodologies for improving the quality of life by advancing UV technologies and its major subsystems, understanding and coordinating the dynamics among UV subsystems
- Address the suitable paths of design, development, implementation, engineering and integration appropriate for different countries and regions.
- Explore how to benefit governments, companies, and universities on specific topics as well as practical solutions related to the Universal Village.

Subsystems & Applications

❑ Subsystems of the Universal Village

- Intelligent Environment, Intelligent Transportation, etc.
- Smart Healthcare, Smart Nursing, etc.
- Intelligent Energy Management & Environment Protection, Sustainable energy, etc.

Intelligent adaptation based on human activities, health status, and weather conditions for buildings, community, or environment

Hierarchical Layers & Components

❑ Infrastructure Layer

- Intelligent sensor & communication network
- Cloud and mobile computing
- Event-driven data compression & storage

❑ Informational Layer

- Multi-platform information retrieval & visualization, data sharing & data integration, data fusion & data mining (across TV net, mobile net, Internet)
- Smart response systems for emergency and accidents

System Integration & Implementation

❑ Technical: Interaction and Integration of Subsystems

- Interaction & mutual impact among subsystems
- Interaction & mutual impact between the whole system and its subsystems. Dynamic impact of subsystem implementation
- Integration of subsystems and the design of the whole system
- System designs such as interdisciplinary system design, top down design, synergy among subsystems, common platform, total system concept, Large complex system theories, etc.

Human & Social Factors

❑ Social & Regional Factors and Future Directions

- Impact of regional, cultural, and political factors on the system design
- Impact on life style, economics, ecology, and future society
- Inter-entity & international collaboration, such as, diverse collaboration among companies, governments, and universities
- Future research directions based on the demand of the whole system

PAPER SUBMISSION: universal.village.submit@gmail.com

Authors can submit SHORT PAPERS (within 4 pages) or REGULAR PAPERS (5-6 pages) in IEEE format. Online paper submission is also available.

PAPER PUBLICATION

Papers that have been accepted and presented will be included into IEEE Conference Proceedings sponsored by the IEEE (pending). Authors of accepted papers (or at least one of the authors) are expected to register in full and present their work at UV2014.

PROPOSAL FOR SPECIAL SESSIONS & QUESTIONS:

universal.village.conf@gmail.com

FOUNDING ORGANIZER: MIT Universal Village Program

	Date
Deadline for paper submission	Apr.30.2014
Notification of paper acceptance	May.15.2014

[http:// universal-village.org /](http://universal-village.org/)