

## READY SOURCES OF KNOWLEDGE:

### Reliability Society Sponsored Conferences

RAMS	Annual Reliability & Maintainability Symposium	US January
ISQED	Int'l Symposium on Quality Electronic Design	US March
IRPS	Annual Int'l Reliability Physics Symposium	US April
ICPHM	Annual Int'l Conference on Prognostics & Health Mgt	US June
SG4SC	IEEE Int'l Forum on Smart Grids for Smart Cities	Europe October
PHM-Chengdu	Prognostics and System Health Management Conference	China October
ICRMS	Annual Int'l Conference on Reliability, Maintainability, & Safety	China October
ISSSR	Int'l Symposium on System & Software Reliability	China October
SATE	Int'l Conference on Software Analysis, Testing & Evolution	China November
WF-IoT	World Forum on Internet of Things	US December

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- **Network**
- **Contribute**
- **Expand**
- **Improve**

Join the IEEE Reliability Society (RS) today and start exploiting the latest technical information in the fields of reliability and system trustworthiness.

The Society offers peer-reviewed publications, including *Security and Privacy Magazine* and *Transactions on Reliability*, our **NEW** "Reliability" e-magazine major international symposia that reveal the latest breakthroughs and practical applications of reliability, continuing education materials through "Expert Now," and videos... and networking opportunities in our worldwide chapters.

### Vision

To be the recognized leader for the broad aspects of reliability

### Mission

Promote recognition of the reliability profession, develop and disseminate reliability best practices, and be a resource for collaboration among reliability professionals

### Purpose

To be the organization of choice to bring reliability professionals together by providing value-added benefits, technically and professionally.

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Advancing Technology  
for Humanity

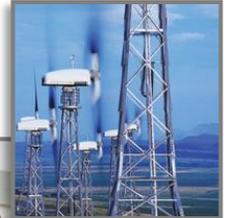
Institute of Electrical and Electronics Engineers (IEEE)



Attaining reliability, measuring, and maintaining it through the life of the product or system; availability, liability, quality and safety.



**People**



**Technology**



**Knowledge**



**Global**



**Connected**

## Why Should You Join?

### ➤ What IS the IEEE Reliability Society?

IEEE is the world's largest technical association, with publications, conferences, and technical communities on a world-wide scale. The Reliability Society consists of anyone that has an interest in making “things” reliable. These are members of industry, government, and academia that perform research, development, and implementation of cutting-edge techniques to improve the life of systems and products. This involves many disciplines...

### ➤ How Can YOU Participate In The RS?

- First step is to JOIN IEEE and the Society
- The RS has conferences, chapter meetings, officer participation, magazines and transactions, as well as “IEEE Xplore” which is a database of 3,000,000 articles and papers from all over the world.
- In keeping with its goals to support its members, the Society is involved in multiple state of the art technical areas and is continuously searching for ways to improve training, insights, and success pathways.



Past Reliability Society Presidents: Bill Tonti, Dennis Hoffman, Christian Hansen, Jeffrey Voas, Sam Keene, and Tom Fagan

## Where Are We Involved?

Our world is ever-changing quickly, and more than the traditional reliability know-how and skills will be needed for the next “Big Thing”! The RS is involved in many technical fields that tie to reliability, availability, dependability, security, and trust. This skill-set keeps growing, based on technology changes – both in needs and in capabilities.

So the RS is a dynamic organization, adjusting to new needs and abilities by involvement in areas that interact with the realm of reliability. At the RS web site (<http://rs.ieee.org>), the “Technical Activities” tab has a link to committees directly involved in some of these areas:

- Big Data
- The Internet of Things (IoT)
- Cloud Computing
- Prognostic and Health Management (PHM)
- System and Software Assurance
- Trustworthy Computing and Cybersecurity, Cyber-System resilience
- Reliability Science for Advanced Materials and Devices
- System of Systems
- Power and Energy, including SmartGrid
- Electronic and Computer System Reliability

The common thread among these is Reliability as one of their key characteristics. To support these efforts, the Reliability Profession must continually be refreshed. For instance, “PHM” requires expertise of electronics, networks, sensors, PoF, statistics, and machine learning. This does not mean having expertise in all these disciplines. However, it DOES mean having the resources to ask, learn, and research them. *The RS provides those opportunities to meet these needs!*

## Reliability Resources

The Reliability Society provides an extensive array of conferences, references, and teaching methods to provide those resources. Examples of those resources:

- The **IEEE Transactions on Reliability**, the premier reliability source of papers and articles on reliability.
- The **NEW “Reliability”** magazine, covering security & reliability aspects of science and engineering, technology, and applications
- Access to the **IEEE Xplore** for reliability related literature and papers
- **Journals and magazines:** “Security and Privacy”, “Journal of Photovoltaics”, and the new “Reliability” magazine for a broad view of up-to-date news in the field.
- **Conferences:** Reliability and Maintainability Symposium (RAMS), International Prognostics and Health Management (PHM), International Reliability Physics Symposium (IRPS), and Symposium on Software and Reliability Engineering Workshops (ISSREW). These are N. America-based conferences. There are nearly as many located in Asia and Europe, too!
- The **IEEE Newsletter** (at <http://rs.ieee.org>), reporting the latest RS and chapter activities
- The **Distinguished Lecturer Series** – RS subject-matter experts travel to our chapters to discuss special topics.
- Establishment of **IEEE Standards** related to reliability subjects
- The opportunity to join **RS Chapters**. There are over 25 active chapters in the US and throughout the world. Like-minded engineers present, discuss and demonstrate new ideas, technologies, and best practices