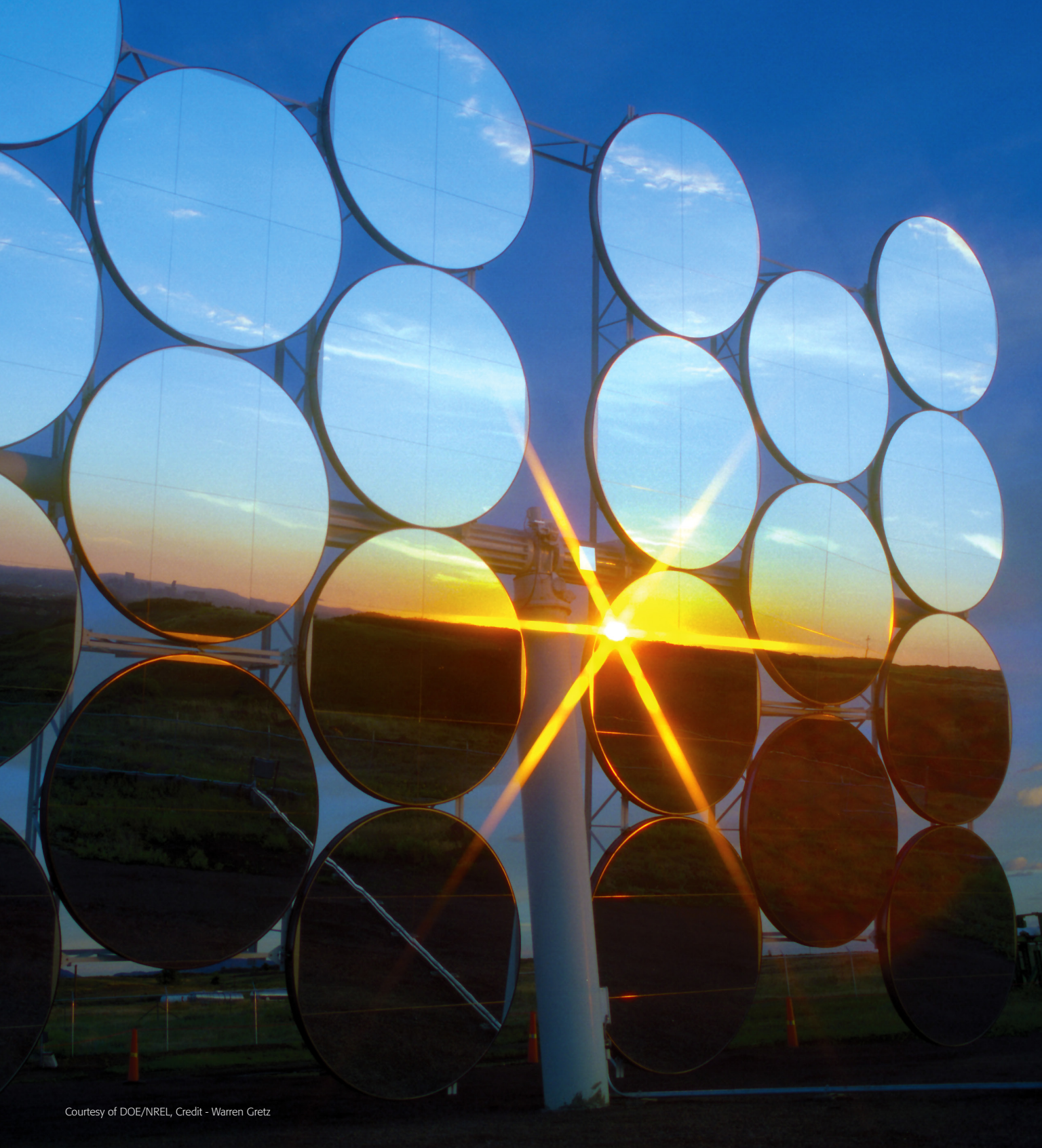




IEEE

*Advancing Technology
for Humanity*



Courtesy of DOE/NREL, Credit - Warren Gretz

While the world benefits from what's new,
IEEE is focused on what's next >>

At IEEE, we see a future that is not just bright, but brilliant.


Inventive minds utilize IEEE intellectual resources to improve what matters most in our lives.

For nearly 140 years, great thinkers have relied on IEEE research to develop breakthrough ideas that have altered our lives.

Thomas Edison, an IEEE forefather, illuminated the future with the light bulb. Today, our tradition of innovation continues. IEEE members and partners are currently creating exciting new technologies that will enlighten us to embrace a smarter future.

The world's tomorrow is our today...

Light reading: Optical physicists within the IEEE community are developing nanophotonic devices that use light rather than electric current to communicate among chips in high-performance computers.

A hand holding a glowing light bulb against a blue sky with clouds. The light bulb is the central focus, emitting a bright, starburst-like glow. The hand is visible at the bottom right, holding the base of the bulb. The background is a clear blue sky with some light, wispy clouds.

IEEE looks toward the future by applying the brilliance of today.

Technology improves the quality of life.

IEEE does more than fulfill needs. We improve lives.

Technology has a unique synergy—the faster it grows, the better it gets, the more quality it creates.

IEEE contributes to new quality-of-life solutions for individuals, families and communities. You'll find IEEE wherever there is an opportunity to improve the human condition, enhance enjoyment or maximize achievement.

In over 160 countries, IEEE accomplishes its mission to advance technology for the benefit of humanity through its steadfast commitment to technological innovation and diversity within the global community.

The world's tomorrow is our today...

Diagnosis at a distance: IEEE is at the forefront of real-time medical video collaboration, which lets physicians receive high-quality patient images and medical information from anywhere on the globe.



To appreciate the quality of IEEE is to
appreciate the quality of our people.

Our connection to each other is closer.

IEEE connects people with technology.

People and technology have partnered in positive ways. It is a dynamic cooperative, where needs are both shared and created.

IEEE is part of this relationship: we serve technology and we learn from people. We are the nucleus that attracts technical needs and the catalyst that transforms those needs into reality.

IEEE relishes the high expectations of today. People expect technology to solve today's and tomorrow's problems. They assume anything is possible. So do we.

The world's tomorrow is our today...

Size and matter: IEEE is helping to develop tomorrow's smaller, faster, cheaper and more intelligent integrated circuits, which have the potential to improve our cellphones, our appliances, our homes and our lives.



IEEE develops standards that connect technologies and the world.

This is the age of achievement.

The combined impact of the IEEE community is greater than the sum of its parts.

Each facet of the IEEE worldwide organization amplifies the other to achieve new heights.

One IEEE member in Chicago could co-author a technical paper with a colleague in Paris, present it at an IEEE conference in Hong Kong, and provide a solution for a company in Mumbai. That is how IEEE helps ideas grow into productive collaborations.

When you build upon what you have, your achievements grow as well. When IEEE professionals apply new knowledge to attain bigger solutions, the combined effect raises the bar for others.

The world's tomorrow is our today...

Automatic autos: Thanks to engineers in the IEEE fold, future autos will have features such as 360-degree collision avoidance, night vision, lane departure correction, and, eventually, the ability to drive themselves.



IEEE empowers technology with knowledge and opportunity.

Ideas are bigger today.

Innovation begins with a big idea and IEEE.


When an idea sparks, technology professionals turn to the IEEE community as a forum and testing ground.

From discussions with colleagues to a presentation at one of IEEE's more than 1,600 worldwide conferences, good ideas grow amid great collaborations. When researchers dive into IEEE's millions of technical documents, the data they discover transforms ideas into real solutions.

IEEE members develop big ideas every day for technologies so new they do not yet have a name.

The world's tomorrow is our today...

Powering up: Where will tomorrow's power come from? Wind? Solar? Nuclear? How will all the electric vehicles recharge? IEEE is involved in projects to not just harness energy from alternate sources, but to route that energy to electric highways that will span continents.



IEEE believes that even small ideas
can develop into towering solutions.

Technology is growing with us.

We trust what matters most to our constant companion—technology.

Throughout our lives, technology has evolved to satisfy many of our intellectual and emotional needs.

Often, we are not aware of technology's presence. Cybersecurity and biometrics applications protect us silently, while sophisticated medical devices stand ready if needed. Other technologies are ever-present around our homes, at the office, on the road and in the sky.

IEEE plays a valuable role in enabling these technologies to improve our lives, connect us more meaningfully... and inspire the brilliance in all of us to fully embrace what's new, while focusing with wonder on what's next.

The world's tomorrow is our today...

Being smart: Today's smart technologies appear in a growing number of touch points in our lives, and they are getting even smarter and more mobile. Tomorrow's technological "thinking" will be automatic, allowing smart humans to recharge.

A young girl with dark, curly hair is lying on her back on a lush green lawn. She is wearing a green sleeveless top with white polka dots and blue jeans. She is holding a large, rectangular solar panel in front of her. The solar panel has a white frame and a grid of blue cells. She has a gentle smile and her eyes are closed, suggesting a sense of peace or connection with nature. An orange speech bubble is positioned over the bottom right of the solar panel.

IEEE is the invisible force behind our everyday technology.



"IEEE touches everyone in their everyday lives because technology touches everyone in their everyday lives..."

Jon Peha, Ph.D., IEEE Senior Member; Professor, Carnegie Mellon University; Former Chief Technologist U.S. Federal Communications Commission (FCC).

We are a global team.

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

IEEE is the world's largest professional association for the advancement of technology. Serving over 430,000 members in over 160 countries, IEEE provides authoritative thought leadership in areas ranging from aerospace systems, to computers and telecommunications, to biomedical engineering, electric power and consumer electronics, among other technologies.

For nearly 140 years, our organization has been an essential resource for the global technical community and for technical professionals everywhere. IEEE is widely recognized for the contributions of its members to technology and to improving global conditions.

Please visit us at www.ieee.org.



technology >>

aerospace

artificial intelligence

autonomous vehicles

applied physics

where we are >>

Brazil

Canada

China

Germany

biomedical

computing

cybersecurity

who we serve >>

academia

consultants

India

Japan

electronics

government

Mexico

medical devices

what we do >>

authorship

conferences

education

membership

networking

philanthropy

publications

technical societies

standards

thought leadership

individuals

industry

members

students

volunteers

and the public

Russia

Singapore

South Africa

South Korea

United Kingdom

United States

and over 160 more countries

nanotechnology

petroleum & natural gas

power & energy

semiconductors

smart grid

telecom

technologies yet to be named...

IEEE Offices

CORPORATE HEADQUARTERS:
New York, NY 10016 USA

OPERATIONS CENTER:
Piscataway, NJ 08854 USA

GLOBAL OFFICES:
California Office
Los Alamitos, CA 90720 USA

Washington D.C. Office
Washington, DC 20036 USA

Global IEEE Institute for Engineers, India
Bangalore - 560 055, Karnataka, India

IEEE Asia-Pacific Limited
Solaris, Singapore 138628

IEEE, Inc. Representative Office, China
Haidian District, Beijing, 100190, China

IEEE Russia Branch
Moscow, 125195, RF

IEEE Tax Registration, Japan
Minato-KuTokyo 107-0062, Japan

IEEE Technology Centre GmbH
1020 Vienna, Heinestrasse 38, Austria