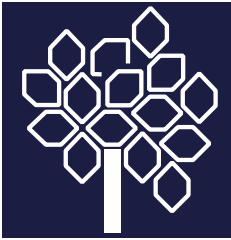




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World
Engineering Day



WFEO / FMOI

World Engineering Day 2021 Report

Jacques de Méréuil, Executive Director of WFEO



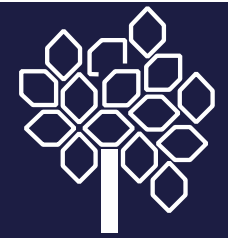
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World
Engineering Day

WED2021-Global Celebration

Engineering for A Healthy Planet-Celebrating the UNESCO Engineering Report



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- Global Celebration under the pandemic
 - Main Event at UNESCO to launch the UNESCO Engineering Report
 - The 2nd UNESCO Engineering Report fully supported by WFEO
 - UN and Global Celebrations: UNSG, UN Youth, World Food Programme, UNESCO and its field offices and centres around the world, 113 registered events, etc.
 - WED messages from UN SG Antonio Guterres, WFEO and global engineering community, High Patronage of Mr Emmanuel MACRON
 - WFEO's voices on COVID-19, poverty alleviation, climate change, inclusion and diversity, SIDS, water, etc.
 - WED2021 series of webinars, poster design competition, young engineers video competition, podcast series, climate stories, etc

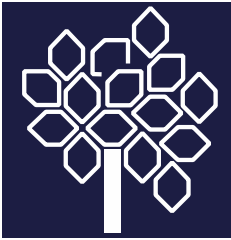


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WED2021: Engineering For a Healthy Planet



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• A screenshot of the webinar on 4th March—— ???

- UNESCO, WFEO, the Chinese Academy of Engineering and ICEE jointly hosted the main event of WED2021 on March 4.
- Officials from UNESCO, CAE, Portuguese Ministry of the Environment, addressed at the opening
- Professor GONG Ke, Marlene Kanga, José Vieira and representative from ICEE introduced the report
- Young Engineers around the globe discussed the report
- Around 2000 people around the world registered the event
- Live-streamed on different platforms to the whole world in English, French and Chinese



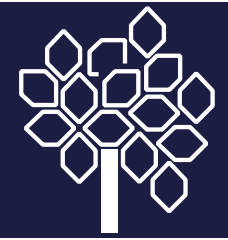


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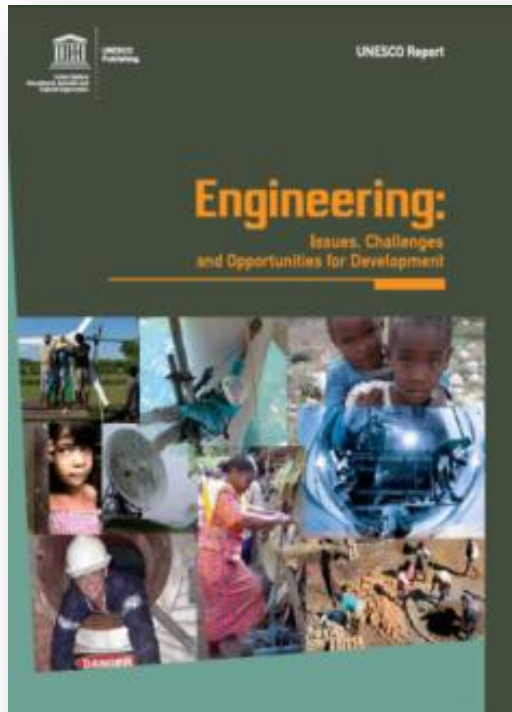


• World
Engineering Day
•

The 2nd UNESCO Engineering Report: Engineering For Sustainable Development



WFEO / FMOI



- **the Theme of the World Engineering Day 2021** : Engineering for a Healthy Planet - *Celebrating the UNESCO Engineering Report*
- **the UNESCO Engineering Report** is firstly initiated by WFEO and adopted by UNESCO, it is a systemic report on engineering development of UN
- **the 1st Engineering Report was published in 2010**
 - Indicating that Engineering is “a human and social as well as a scientific and technological and innovation activity, in the social, economic and cultural context”
 - has become the most downloaded UNESCO report.

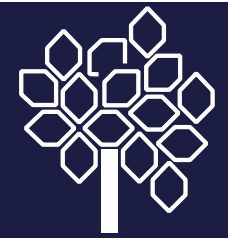


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The 2nd UNESCO Engineering Report: Engineering For Sustainable Development



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- **the 2nd UNESCO Engineering Report**

- launched in the new context of global sustainable development
- launched in the upsurge of Industry Revolution 4.0
- launched in the global response to COVID-19
- launched with the coordinated efforts from the Chinese Academy of Engineering, Tsinghua University and WFEO and supported by multiple organizations and experts



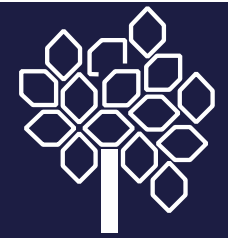


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The 2nd UNESCO Engineering Report: Engineering For Sustainable Development



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1.

ENGINEERING A MORE SUSTAINABLE WORLD

2.

EQUAL OPPORTUNITIES FOR ALL

- 2.1 Diversity and inclusion in engineering
- 2.2 Women in engineering
- 2.3 Young engineers and their role

3.

ENGINEERING INNOVATIONS AND THE SUSTAINABLE DEVELOPMENT GOALS

- 3.1 Engineering innovations to combat COVID- and improve human health
- 3.2 Water engineering for sustainable development
 - 3.2.1. Clean water and human health
 - 3.2.2. Hydrology for the SDGs
- 3.3 Climate change – a climate emergency
- 3.4 Engineering: a crucial tool for disaster risk reduction
- 3.5 Developing sustainable and resilient energy systems
- 3.6 Mining engineering for the future
- 3.7 Engineering and big data
- 3.8 Engineering and Artificial Intelligence
- 3.9 Engineering for smart cities

4.

ENGINEERING EDUCATION AND CAPACITY-BUILDING FOR SUSTAINABLE DEVELOPMENT

- 4.1 Engineering education for the future
- 4.2 Lifelong learning in engineering: an imperative to achieve the Sustainable Development Goals
- 4.3 Engineers' continuing professional development

5.

REGIONAL TRENDS IN ENGINEERING

- 5.1 Major interregional trends
- 5.2 Europe and North America
- 5.3 Asia and the Pacific
- 5.4 Latin America and the Caribbean
- 5.5 Africa
- 5.6 Arab States

- **Structure of the Report: the main report + executive summary**
- The main report consists of some 200 pages, about 80,000 words.
- Forewords by Azoulay, DG of UNESCO and Zhou Ji, on behalf of CAE and Tsinghua Univ.
- The main body is composed by the Introduction and 5 chapter describing and analyzing *Engineering and the SDGs*, *Equal inclusive development of engineering profession*, *Engineering Innovations meeting pressing challenges*, *Engineering Education and Capacity-building*, and *Regional Trends and global cooperation*.

The new UNESCO Engineering Report serves as a reference for governments, industries, educational institutions and engineering organizations to foster engineering for sustainable development. Specific recommendations are delivered in each chapter for further development in every dimension of engineering. This report is to be a milestone in global engineering development.

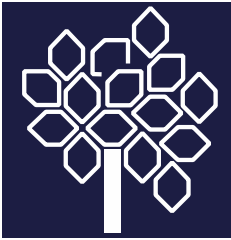


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World
Engineering Day

Celebration in UN System



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António Guterres
@antonioguterres

As a trained engineer, I am passionate about the potential of engineering to help solve the most pressing challenges facing our world.

But to truly maximize that potential, we must ensure women & girls have equal opportunities & representation in this field.

[#WorldEngineeringDay](#)



World Food Programme
@WFP

Did you know today is [#WorldEngineeringDay](#)? 🧑‍🔧 🏗️ 🧑‍🔧

Today, we celebrate WFP's Engineers that stop at nothing to save and change lives!

➡ worldengineeringday.net [#WFPEngineers](#)



UN Youth
@UN4Youth

Happy [#WorldEngineeringDay](#)!

Let's remember today that inclusivity is important in creating a more diverse engineering workforce that will meet the challenges posed by the [#GlobalGoals](#) more successfully.

👉 on.unesco.org/EngDay @UNESCO



UNESCO
@UNESCO

Happy [#WorldEngineeringDay](#)!

Let's remember today that inclusivity is important in creating a more diverse engineering workforce that will meet the challenges posed by the [#GlobalGoals](#) more successfully.

on.unesco.org/EngDay



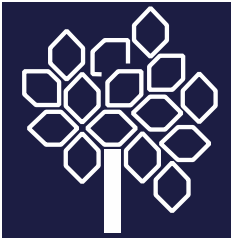


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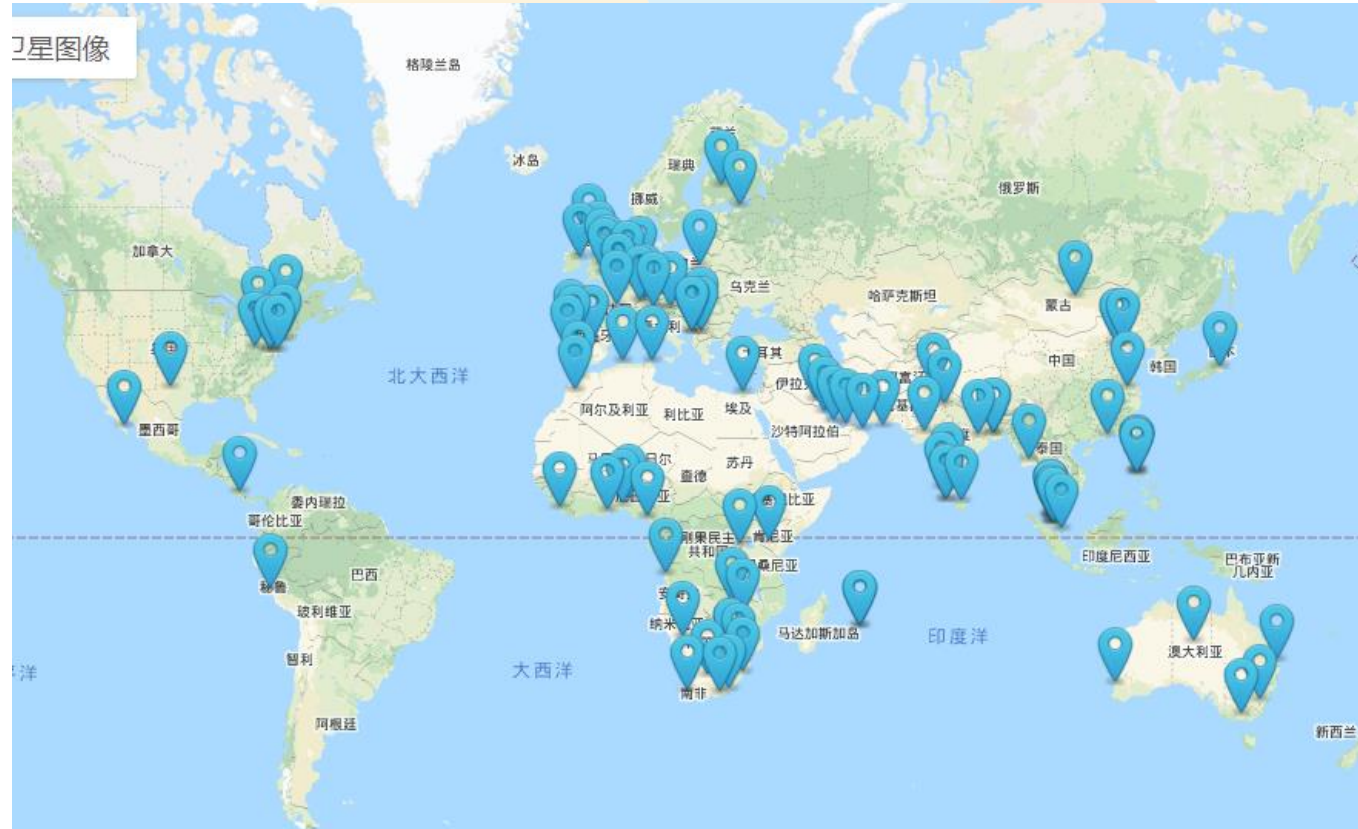


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WED2021: Engineering For a Healthy Planet



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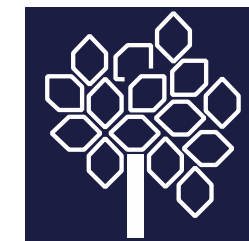
- Up to now, more than 113 WED celebrations have been held across the world, covering all continents, different engineering institutions, businesses, UN bodies and social groups.



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Webinars, Competitions, Stories and Podcasts by WFEF



WFEF / FMOI

Webinar on Engineering in Poverty Alleviation

March 6, 2021

10:00 New York
11:00 London
14:00 Nairobi
15:30 New Delhi
19:00 Beijing

Registration: <https://wfe.org.uk/uk/2021> Live: http://live.worldengineeringday.net/en/lives/details?live_id=39

Poster Design Competition
More 260 participants from 24 countries

Young Engineers Leading the Way: Video Campaign
More than 40 young engineers from more than 20 countries

Friday 5 March

International Women's Day

RISE TO THE TOP
GLOBAL WOMEN ENGINEERING LEADERS
SHARE THEIR JOURNEYS TO SUCCESS

Speakers:

- Marlene Kanga, President, WFEF
- Peggy Chi-Rong, Director, Science Policy and Capacity Building, Natural Sciences Foundation, UN Women
- Hana Hayer, President, WFEF
- Soma Chakrabarti, Co-Chair, an advisory committee of RISE TO THE TOP
- Carlene Bou-Chedid, President, Federation of African Engineering Organizations
- Jon Hada, President, Women in Science and Engineering, Nepal
- Lydia Tsimbin, President, Philippine Technology Council
- Valerie Agnieszka, Women in Engineering, Germany, WFEF
- Lidia Zakonka, Professor in Transport Engineering, Cracow University

Register at: bit.ly/3p9QkiY
YouTube Livestream at: bit.ly/2Hn9G9d
Copies of the book: <http://www.wfe.org.uk/uk/2021>

ENGINEERING FOR A HEALTHY PLANET

4TH MARCH 2021

WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT

ENGINEERING FOR A HEALTHY PLANET

34

WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT





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Webinars, Competitions, Stories and Podcasts by WFEO



Climate Stories



Podcasts: Engineering Leaders





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• World
• Engineering Day
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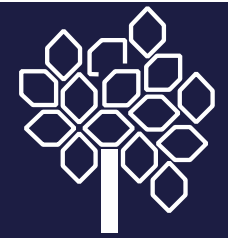
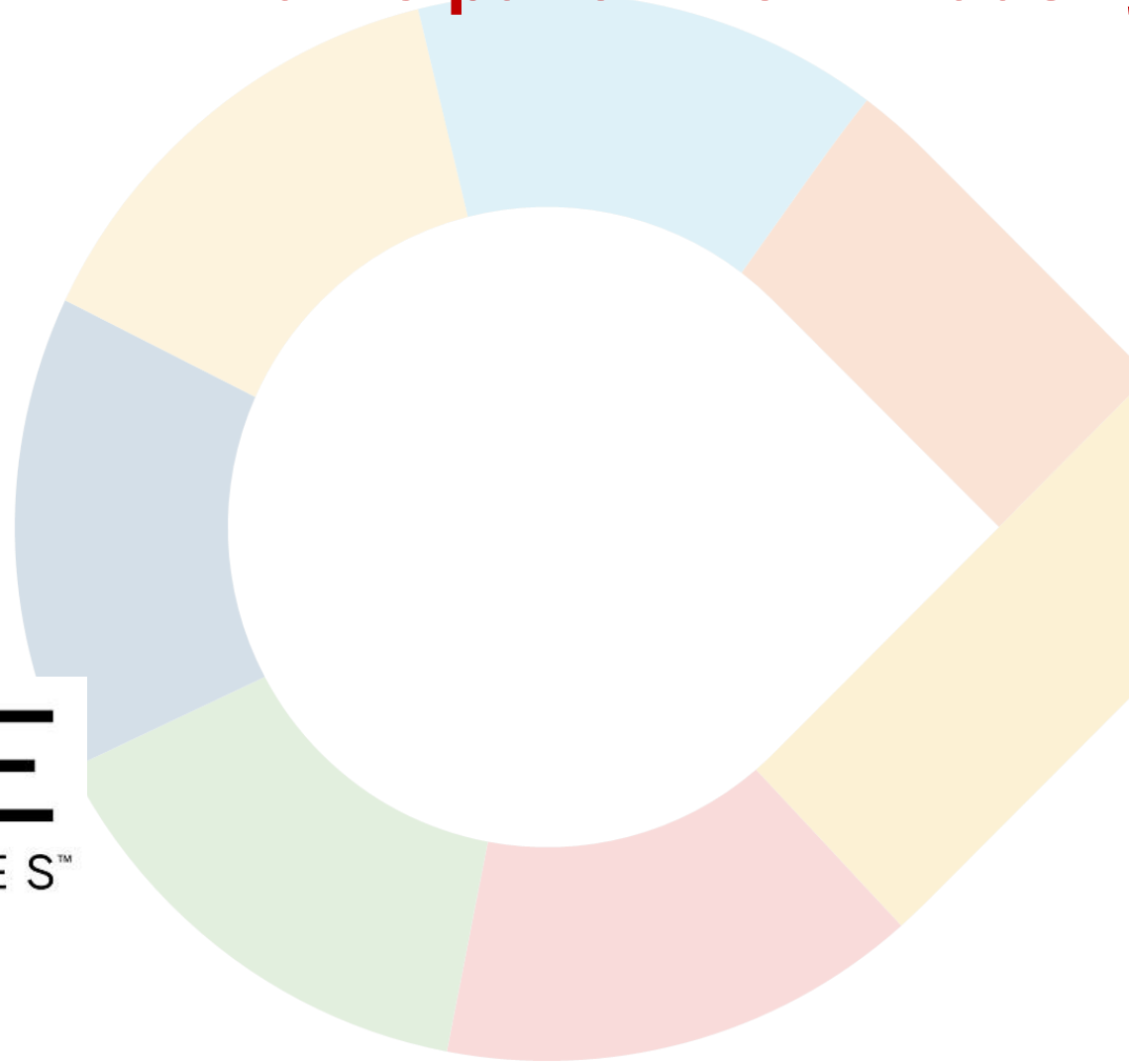
Industrial Partner:



Sponsor



Participation from Industry

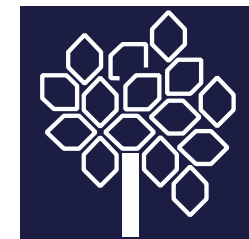


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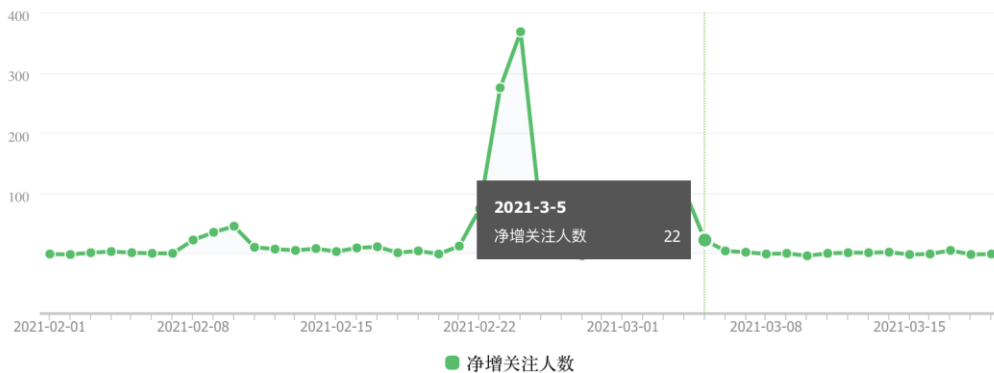
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Website Visit

Time	Page Views	Sessions
Last month	597 599	184 564
The Week Around 4 th March	376 148	117 573
On 4 th March	69 182	29 338



Number of World Engineering Day WeChat Account Followers Increases to **3368**

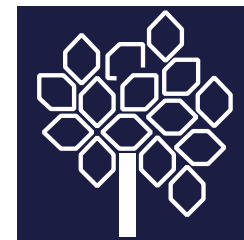


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Media Outreach in China



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Xinhua News Agency Interview Prof. GONG on WED2021
#I'm Engineer Activity on TikTok in China
Attracted thousands of participants and **0.73 billion views** till now



XINHUANET



科技日报

CHINADAILY.COM.CN

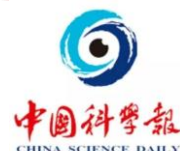
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工人日报



光明日报

北京日报



人民日报

经济日报
ECONOMIC DAILY



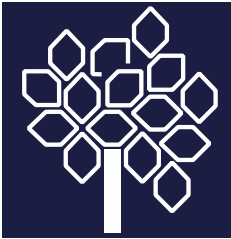


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More than 300 media channels have reported WED2021



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< **yahoo!finance**

Engineers Worldwide Today are Building a Sustainable Tomorrow

Thu, 4 March 2021, 6:00 PM · 6-min read

DIGITAL JOURNAL

Engineers Worldwide Today are Building a Sustainable Tomorrow

From WFEO correspondent Christine Tan



Bloomberg

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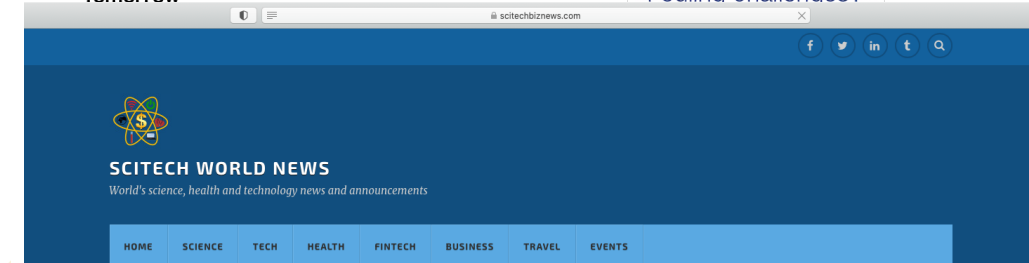
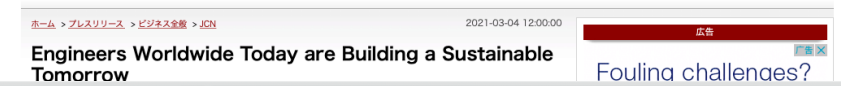
Business

Engineers Worldwide Today are Building a Sustainable Tomorrow

March 3, 2021, 6:54 PM PST

Engineers Worldwide Today are Building a
Sustainable Tomorrow

From WFEO correspondent Christine Tan



TECHNOLOGY

Engineers Worldwide Today are Building a

March 8, 2021/ by: admin

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PR in the Philippines

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