SCIENCE JOURNALISM: INSTALLING CONFIDENCE INTO WRITING

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Why is science writing necessary?

- Easy-to-understand for demographic with different scientific backgrounds
- Compact and concise
- Reduced technical language
- Accurate story

NOT OUR FORTE!

—"In view of the crustacean's acceptable 0.1 ppm mercury concentration, an analysis of its natural predators in the Gulf of Maine, and the fact that it's delicious, I'll take the lobster thermidor."—
PROCESS OF WRITING

❖ Search for stories, updates, news
❖ Researching the topic
❖ Draft writing
❖ Interviewing researchers and experts
❖ Exchanging suggestions and edits
❖ Confirming with researchers
❖ Copyediting and formatting
In last-minute shuffle, Switzerland hosts virtual International Physics Olympiad

The annual competition for high school students went online this year. Gizem Doğan

29 Jul 2022 in People & History
SHED THE JARGON - INTRODUCE CAUSATION

Draft 1st: technical language that drags on

Dr. Wang and Dr. Bowers overcame these efficiency and complexity problems by using an aluminum gallium arsenide on insulator (AlGaAsO1) micro-resonator that is directly pumped by a distributed feedback (DFB) on-chip laser to generate a dark-pulse microcomb. They utilized this simple...

Draft 8 + Copyediting: enough detail with jargon reduced to day-to-day diction

The scientists assembled an aluminum gallium arsenide on insulator microresonator that turned continuous laser light into a coherent microcomb, as illustrated above. Bright microcombs, whose teeth are whose temporal viable solution. Also known as “light rulers,” microcombs take light from a single laser and use microresonators to produce light at hundreds of wavelengths. Each frequency line transmits data, so a single chip-scale
THE IPHO 2022 STORY

❖ Host country change: Belarus to Switzerland
❖ Shift from shipment of lab equipments to simulation programs
❖ Meeting the US team
❖ Interviewing the US and Japanese teams’ academic directors
INTERVIEWS WITH RESEARCHERS

For a Physics Today Q&A, I interviewed Turkish physicists and engineer Professor Erkcan Özcan who is a CERN researcher and is known for his Youtube collaborations.
Why is science communication important?

Responsibilities

- Research Funding
  - Congressional appropriations
  - Private enterprises
- Informing the taxpayer
- Accessible language for distinct demographics
- Public’s decisions must be informed by science
- Raising equity and amplifying the voices of historically underrepresented groups
MANY THANKS TO...

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ANY QUESTIONS?

Or comments?