EDITORIAL

479 Unexpected times

CORRESPONDENCE

- 480 A digital climate summit to maintain Paris Agreement ambition
 Elisa Calliari, Jaroslav Mysiak and Lisa Vanhala
- 481 Next-generation meetings must be diverse and inclusive Akira S. Mori

COMMENTS

- 482 Barriers to gauging built environment climate vulnerability
 Hussam Mahmoud
- 485 Climate-resilient coasts require diverse defence solutions Rebecca L. Morris, Anthony Boxshall and Stephen E. Swearer
- 488 Keeping infrastructure reliable under climate uncertainty
 Mikhail V. Chester, B. Shane Underwood and Constantine Samaras

OBITUARY

491 **John T. Houghton** Fred Taylor

RESEARCH HIGHLIGHTS

492 Our choice from the recent literature

NEWS & VIEWS

- 493 Behavioural economics: Where mitigation and migration meet Reuben Kline
- 494 Winter weather: Warming shrivels future snowstorms
 Martin A. Baxter
- 496 Wastewater treatment: Sanitation and climate Matthew Reid
- 497 Ecophysiology: Acidification slows algal movement Jolanda M. H. Verspagen

MATTERS ARISING

- 499 Temporal displacement, adaptation and the effect of climate on suicide rates
 Matthew Gammans
- 502 Reply to: Temporal displacement, adaptation and the effect of climate on suicide rates

Marshall Burke et al.

LETTERS

505 Present-day greenhouse gases could cause more frequent and longer Dust Bowl heatwaves

Tim Cowan, Sabine Undorf, Gabriele C. Hegerl, Luke J. Harrington and Friederike E. L. Otto

511 Remote sensing northern lake methane ebullition M. Engram et al.

ARTICLES

The economic interaction between climate change mitigation, climate migration and poverty

Jochem Marotzke, Dirk Semmann and Manfred Milinski

→N&V p493

- 526 Carbon intensity of global crude oil refining and mitigation potential Liang Jing et al.
- Coldest Canadian Arctic communities face greatest reductions in shorefast sea ice Sarah W. Cooley et al.
- 539 Reduced frequency and size of late-twenty-first-century snowstorms over North America

Walker S. Ashley, Alex M. Haberlie and Vittorio A. Gensini

→N&V p494

545 Climate change mitigation potential in sanitation via off-site composting of human waste

Gavin McNicol, Julie Jeliazovski, Junior Jules François, Sasha Kramer and Rebecca Ryals `
→N&V p496

- The proportion of soil-borne pathogens increases with warming at the global scale Manuel Delgado-Baquerizo et al.
- 555 Increasing contribution of peatlands to boreal evapotranspiration in a warming climate

Manuel Helbig et al.

Decreased motility of flagellated microalgae long-term acclimated to CO₂-induced acidified waters

Yitao Wang et al.

→N&V p497

- 568 Circumpolar projections of Antarctic krill growth potential Devi Veytia et al.
- 576 Climate velocity reveals increasing exposure of deep-ocean biodiversity to future warming

Isaac Brito-Morales et al.

AMENDMENTS

- 582 Publisher Correction: Firing up ambition
- 582 Publisher Correction: Reduced European aerosol emissions suppress winter extremes over northern Eurasia

Yuan Wang et al.