

IEEE Region 8



Candidate for R8 Director-Elect

Mike Hinchey

7 November 2021





John, Lord of Ireland



Prince John





Treaty Stone (1691)



Limericks

- Limericks that may be recited when women are present: \$25.
- Limericks that may be recited when women are absent but preachers are present: \$10.
- Limericks: \$5.

Mark Twain

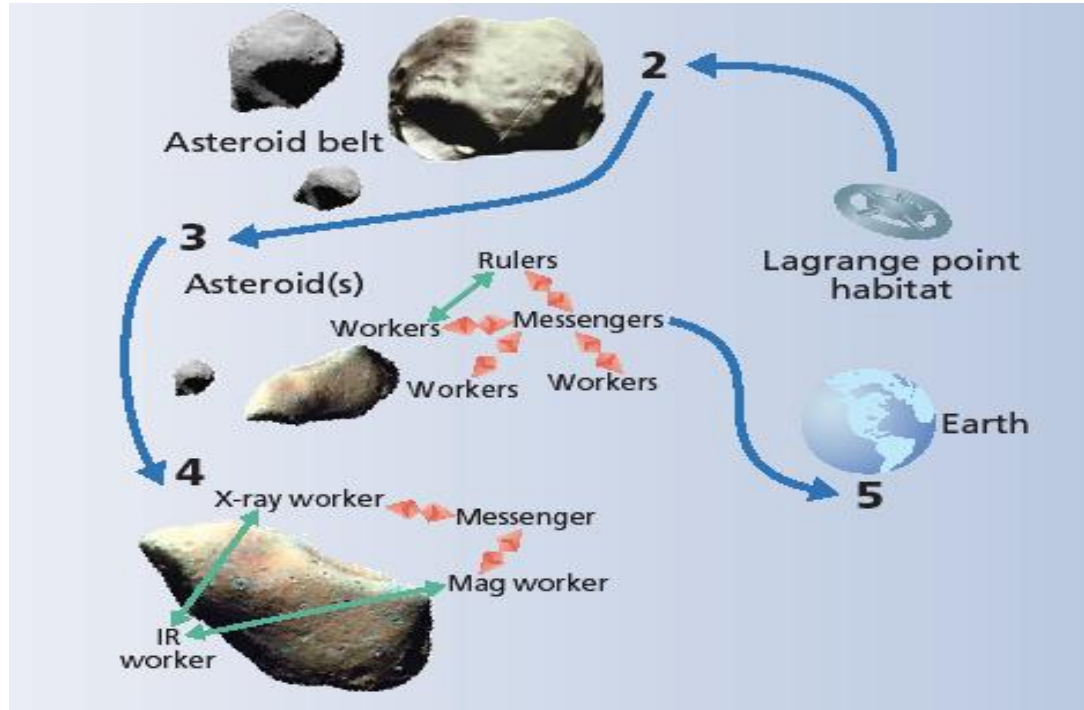
Limericks

There once was a man from Nantucket
Who

Background

- BSc (Computer Systems), University of Limerick, Ireland
- MSc (Computation), University of Oxford, UK
- PhD (Computer Science), University of Cambridge, UK
- Chartered Engineer (UK & Ireland), Chartered Professional Engineer (Australia), Chartered IT Professional (UK)
- Professor of Software Engineering and Head of Department of Computer Science & Information Systems, University of Limerick, Ireland
- Previously Full Professor in US, Australia, Sweden
- Visiting Professor in Japan, Brazil, Sweden
- Director, NASA Software Engineering Laboratory

ANTS Concept Mission - PAM



Swarming spacecraft to self-destruct for greater good - space - 06 September 2010 - New Scienti - Windows Internet Explorer pro

http://www.newscientist.com/article/dn19403-swarming-spacecraft-to-selfdestruct-for-greater-good.html

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Swarming spacecraft to self-destruct for greater good

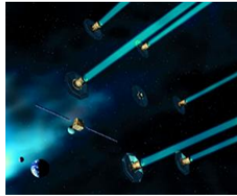
10:33 06 September 2010 by Paul Marks
For similar stories, visit the [Spaceflight](#) Topic Guide

Future space probes that operate in cooperative swarms must commit hara-kiri if they begin to fail and risk damaging their comrades, says a recent [patent application](#) by NASA.

The agency foresees a day when space missions are undertaken not by one large spacecraft but by swarming formations of much [smaller, cheaper ones](#). Such craft could collectively provide a "floating optics" system for a [space telescope comprising separate craft flying in formation](#), for instance.

However, should one spacecraft in such a swarm begin to fail and risk a calamitous collision with another, it must sense its end is nigh and put itself on a course that takes it forever away from the swarm – for the greater good of the collective.

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The swarm comes first (Image: ESA/Medialab)

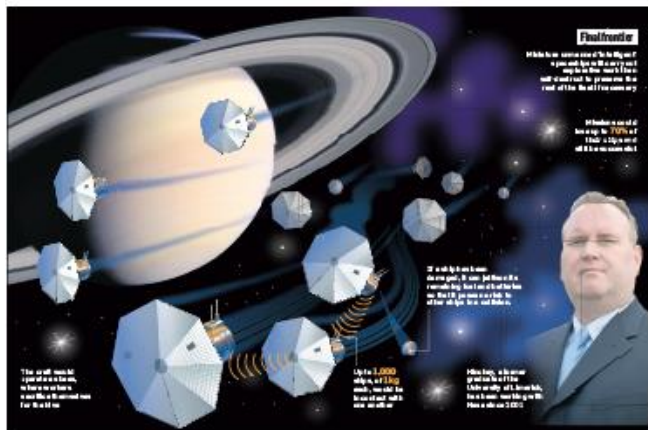
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Limerick scientist invents self-sacrificing spaceships

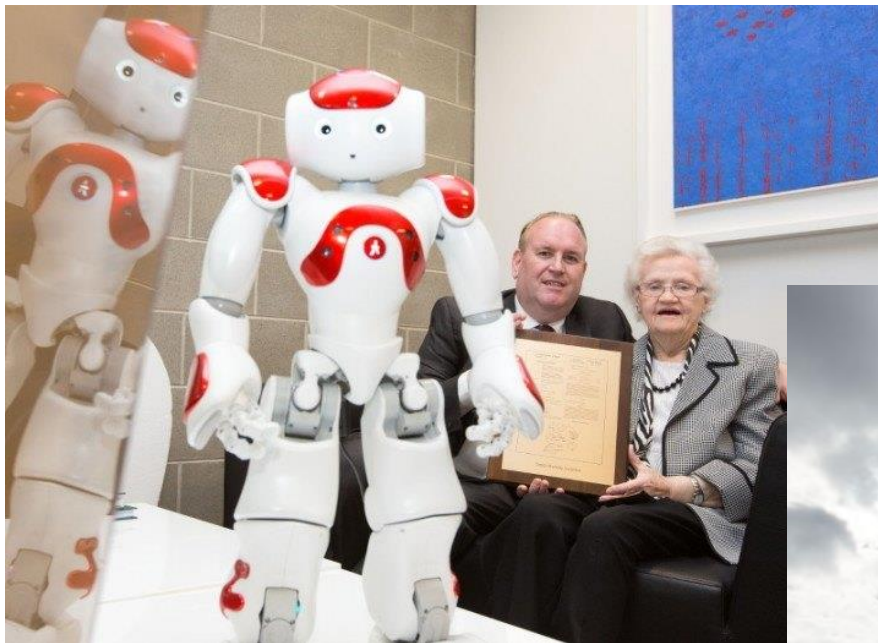
Professor's stellar idea may be the future of exploration for Nasa, discovers Colin Coyle

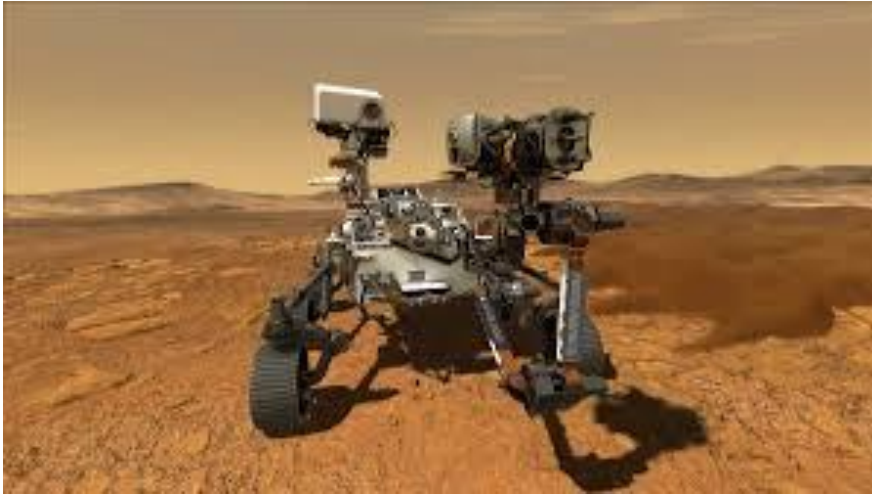
AN IRISH SCIENTIST INVENTING THE FUTURE OF SPACE EXPLORATION HAS COME UP WITH A BRILLIANT IDEA. COLIN COYLE, A PROFESSOR AT LIMERICK CITY UNIVERSITY, HAS INVENTED A FLEET OF SELF-SACRIFICING SPACESHIPS. THE SPACESHIPS WOULD BE SENT TO THE EDGE OF THE SOLAR SYSTEM AND THEN SELF-Destruct, LEAVING BEHIND A TRAIL OF DEBRIS THAT CAN BE STUDIED BY OTHER SPACECRAFT. THE IDEA IS TO SEND A FLEET OF SMALL, SELF-SACRIFICING SPACESHIPS TO EXPLORE THE SOLAR SYSTEM. THE SPACESHIPS WOULD BE DESIGNED TO SELF-Destruct AT THE EDGE OF THE SOLAR SYSTEM, LEAVING BEHIND A TRAIL OF DEBRIS THAT CAN BE STUDIED BY OTHER SPACECRAFT.

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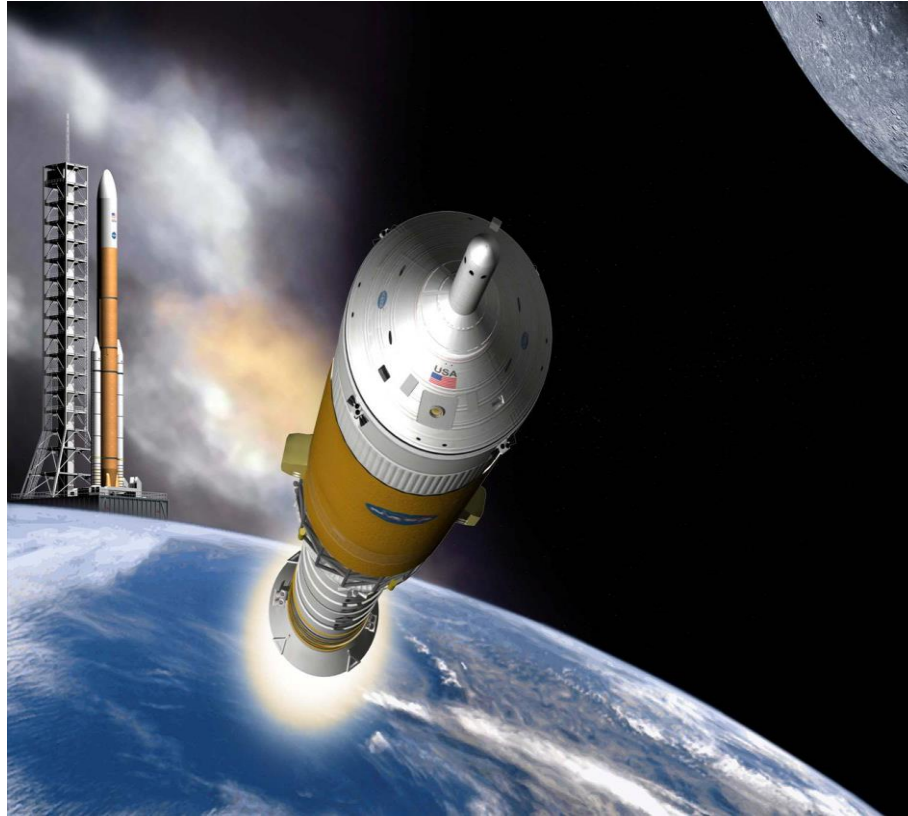
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IEEE Roles

- Chair, IEEE Global Public Policy Committee (2022 & 2023)
- Vice Chair, IEEE Conduct Review Committee (2021 -)
- Vice Chair, IEEE Public Visibility Committee (2021 -)
- IEEE *Computer* editorial board
- Past Chair, IEEE UK & Ireland Section (2020-2021)
- Chair, IEEE UK & Ireland Section (2018-2019)
- R8 MD subcommittee
- Co-Chair, EUROCON 2021, R8 Flagship event



Vision for Region 8

- A fully inclusive society for engineering professionals.



Other Societies

- President, International Federation for Information Processing (IFIP) (2016-2022)
- President, Irish Computer Society (2018-)



Go raibh maith agaibh!
Thank you!



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