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experimental investigation on seismic behaviour
These investigations primarily to fire after being subjected to simulated seismic loads. This report presents the results of an experimental and analytical study on the in-plane flexural inelastic

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The four-year fellowship will provide Collins with a total of $200,000 to research innovative steel deck systems for highway bridge applications—the first Milek Fellowship project to focus on bridges

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Bayview Elementary School Seismic Replacement Just think about the behavior of a tree in a windstorm. This is possible because wood is composed of long, thin, strong cells and the elongated

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Much of our research requires numerical and experimental investigations across the length scales advanced structural and geotechnical material behaviour characterisation and modelling, structural

civil engineering
Anthropogenic sound not only can affect hearing and behavior in marine mammals To this end, we have initiated investigations of the effects of intense underwater sound such as simulated explosions

investigation of the effects of anthropogenic sound on marine mammal health
He has more than 12 years experience in mechanics and design of reinforced concrete structures, multi-scale experimental testing, structural and performance-based design for mitigating hazards,

mohamed a. moustafa
The aim of the project was to develop, an innovative, integrated and efficient framework for multi-hazard seismic risk assessment and disaster design philosophy that accounts for the long-term

professor kypros pilakoutas
Experimental Investigation on Sensitive Clay Subjected to Cyclic Loading and Ayadat, T. 2009. Discussion of Behaviour of Stone Columns Based on Experimental and FEM Analysis by A. P. Ambily and

adel m. hanna, phd
Lastly, an experimental investigation on beech LVL truss structures with dowel-type connections is presented. The impact of an optimised connection design on the global load-displacement behaviour is

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Her work focused on the development of advanced numerical tools for the seismic nonlinear analysis risk at the regional scale and the investigation of new techniques for structural damage

floriane petrone
Fundamental topics include the formation, structure, mechanical behavior,
durability The course begins with introduction to site investigation planning and various geophysical methods including:

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But his background research on philosophy as a way of life led him to additional practical applications of traditional philosophies such as Daoism in the East (the basis of tai chi) and Stoicism in

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Katze, who became the subject of a BuzzFeed expose, also watched pornography on his work computer despite previous warnings, according to the investigation. Employees described his behavior as

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Even Trump’s maximum pressure campaign, which caused runaway inflation and energy shortages in the Islamic Republic, didn’t succeed in altering Tehran’s behavior — and under the more

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She has united electronic innovation, audio-visual experiments, radical new performance modes, scientific investigation rippling drum syncopations and seismic bass with lush samples of

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When light interacts with matter, for example, when a laser beam hits a two-dimensional material like graphene, it can substantially change the behavior of the material. Depending on the form of

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It’s worth noting the popular tune Happy Days Are Here Again (Yours Truly favors the 1930 version by Ben Selvin and The Crooners) was released at the outset of a

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“Let’s complain,” urges the author of the prize-winning experimental novel Ducks, Newbarrayport at the outset of her first work of non-fiction, then valiantly leads the way. Over 14 entries

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It’s worth noting the popular tune Happy Days Are Here Again (Yours Truly favors the 1930 version by Ben Selvin and The Crooners) was released at the outset of a

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In a stack of such layers, vibrations of the atoms can be triggered by infrared light. New experimental and theoretical work shows

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structural health monitoring (SHM), non-destructive evaluations (NDE), smart structures, sensors development, MEMS-based wireless sensor networks, structural dynamics, experimental mechanics, and

**alessandro sabato**
These include: Modeling activities are centered on a multi-national effort to optimize computer codes for simulating methane hydrate reservoir behavior. The Code Comparison Study compares the results

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Rather, structural or functional changes at one point in a brain network can lead to long-range, distributed effects that can be broadcast widely to alter cognitive function and behaviour.

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Options within the structural engineering track allow students to either complete a capstone design project or a faculty-directed research investigation. This program track is aimed at individuals

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These material properties govern seismic velocity and seismic attenuation as well as the small-and large-scale flow behavior of mantle rocks of deformation of partially molten rocks. First, new

**rheology and deformation of the lithosphere at continental margins**
Civil engineers are responsible for planning, designing, building, maintaining, and rehabilitating the complex interrelated technological, social, and environmental dimension of the infrastructure

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Keifer Forsch (2011) “Investigation on lipid composition and abundance across the physical environment leads to the characterization of the ecology and behavior of the species producing and

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Initiated in fiscal year (FY) 1999, this special competition promotes comprehensive, integrated investigations of environmental systems potential for exhibiting nonlinear or highly coupled

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This formed part of my broader investigations into the use of REEs as proxies for We first studied the nonlinear behavior of propagating fronts, including fronts that as helices and then we

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Groundwater and seawater samples were collected from nearshore wells and offshore along the Kona Coast of the Big Island of Hawaii to investigate rare earth element (REE) behavior in local

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Continuous dialogue with the community of researchers assures a wide variety of high quality investigations that lead to new Partnership program will build on these efforts through experimental

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