



IAAM' MONTHLY NEWSLETTER

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March-April, 2021

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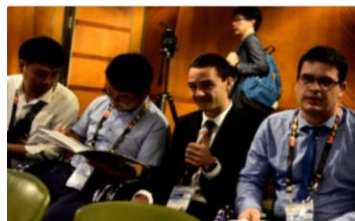
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IAAM Blogs

<https://www.iaamonline.org/blog>

IAAM's Communities and Consortium



Youth Council

IAAM Youth Council is a platform meant to empower youth development and to help them become great leaders, especially in the scientific world. IAAM believes that skilled and empowered young students of today have the power to change the world tomorrow, given the right guidance.

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Academic Council

The International Association of Advanced Materials has constituted an academic council with the sole purposes of providing a healthy exposure to the school students pursuing courses in science along with a wide range of opportunities. This council is the ...

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Business Council

IAAM Business Council has been constituted to provide a wide range of opportunities to business executives, corporations, and industry professionals working in the industry of advanced materials and materials science. The International Association has...

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IAAM is focused on creating communities, consortiums, and councils specially dedicated to particular age groups and members of the scientific community at particular stages of their careers. For this reason, IAAM has created a number of councils and consortiums that target a special age group of scientific community members and allow them to get a global exposure. These groups and councils help the members gain access to world-class opportunities and help them advance in their careers.

To know more, please visit at www.iaamonline.org/communities-consortium.



IAAM in association with Institute of Advanced Materials constitutes consortia and projects for academic disciplines and business areas that hold potential to transform future. With the technological challenges that the world faces on all business fronts, there is a need for good research and companies to come together. The need for collaborating cutting-age technology with business has never been more. IAM facilitates consortia that gives rise to new opportunities and create opportunities for effective partnerships between academia and industry.

To know more, please visit at www.iaam.se/projects-consortiums.

Advanced Materials Congress with Hybrid Setups creates cohesive interactive opportunity to participants through onsite, online and on demand engagements, where participants feel freedom of movements in and out of sessions & symposium depending on choice of topical interests, experts' lectures/exhibitions, and availability of time. Advanced Materials Congress will run with Hybrid participation Setups (Onsite, Online/Live and On-demand) at seven different regions.

IAAM offers continually evolving and customized sustainability education programs with carefully designed pedagogies. These programs are a method for IAM to break beyond conventional curriculum.

IAAM Congress with 'Onsite- Online- On-demand' Hybrid Setups



IAAM is celebrating 10th anniversary of **Advanced Materials Congress (AMC)** in 2021. To provide highly interactive exchanges in materials science, engineering and technology, AMC demonstrates unified hybrid participation setups for example 1) **Onsite** physical attendance at venue, 2) joining **Online/Live** through internet and 3) **On-demand** presence as per convenient. Advanced Materials Congress with Hybrid Setups connects physical delegates (face-to-face) to digitally connected virtual participants from different countries of multiple locations to present, publish and participate in discussions with flexible features of interaction, broader accessibility, and easy navigation of experts.

To know more, please visit at www.iaamonline.org/blog/iaam-congress-organizing-hybrid-setup.

IAAM Training and Courses



IAAM in association with Institute of Advanced Materials offers a range of robust Training & Education programs to individuals and company resources in all stages of their professional careers. We offer adequate training programs with upgraded pedagogy, methods, and tools to help company and professionals upgrade in their professional journey. Our programs and collaborative teaching methods are jointly created by disciplinary experts with a focus on delivering sustainability related learning and education. In line with our focus on Sustainability, our Training & Education programs offer resources, content, and training opportunities related to sustainability principles and education.

To know more, please visit at www.iaam.se/training-courses

This video journal publishes its contents in open access under a CC by License. The CC by license allows and facilitates the maximum possible dissemination of the open access materials to worldwide readers and viewers.

Video Proceedings of Advanced Materials

An open access peer-reviewed video journal of IAAM, that publishes state-of-the-art research advancements of materials science, engineering, and technology. The journal provides a comprehensive audio-visual overview of the multi-inter-trans disciplinary areas of advanced materials research, innovation, and technology. To know more, please visit at, www.proceedings.iaamonline.org

Editor's Choice (March-April 2021)

Research on Integration of Two Dimensional Materials in Resistive Switching Devices
Fuat Ozan Dengiz
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E-mail: ozan.dengiz@tuh.ee

Research on Integration of Two Dimensional Materials in Resistive Switching Devices

Fuat Ozan Dengiz

Vid. Proc. Adv. Mater., 2, 202102139 (2021).

www.proceedings.iaamonline.org/article/vpoam-2021-02139

Seismic upgrading of existing buildings using non-invasive solutions based on advanced materials
Marco Di Ludovico*, Ciro Del Vecchio, Alberto Balsano, Gaetano Manfredi
Department of Structures for Engineering and Architecture, University of Naples Federico II, via Claudio, 21 - 80125 Naples - Italy
E-mail: dludovico@unina.it

Seismic Upgrading of Existing Buildings using Non-Invasive Solutions based on Advanced Materials

Marco Di Ludovico et al.,

Vid. Proc. Adv. Mater., 2, 202102127 (2021).

www.proceedings.iaamonline.org/article/vpoam-2021-02127

Nano-Mechanical Behavior and Room-Temperature Plasticity of Refractory Metal Carbides
Jenn-Ming Yang
Department of Materials Science and Engineering, University of California, Los Angeles, CA 90095, USA
E-mail: jyang@ucla.edu

Nano-Mechanical behavior and Room-Temperature Plasticity of Refractory Metal Carbides

Jenn-Ming Yang,

Vid. Proc. Adv. Mater., 2, 202102140 (2021).

www.proceedings.iaamonline.org/article/vpoam-2021-0190

Application of Basalt Fiber Reinforced Polymer (BFRP) Bars for Prestressing Concrete Members
Arghadeep Laskar
Indian Institute of Technology Bombay (IITB), Mumbai, 400076, India
E-mail: laskar@iitb.ac.in

Application of Basalt Fiber Reinforced Polymer (BFRP) Bars for Prestressing Concrete Members

Arghadeep Laskar

Vid. Proc. Adv. Mater., 2, 202102144 (2021).

<https://www.proceedings.iaamonline.org/article/vpoam-2021-02144>

Environmental Application of Porous Materials: From Natural Zeolite to Metal Organic Framework Materials
Hossein Kazemian
Faculty member and Head of the Northern Analytical Lab Services (NALS), The University of Northern British Columbia (UNBC), Prince George, British Columbia - V2N 4Z9, Canada
E-mail: hossein.kazemian@unbc.ca

Environmental Application of Porous Materials: From Natural Zeolite to Metal Organic Framework Materials

Hossein Kazemian

Vid. Proc. Adv. Mater., 2, 202102128 (2021).

www.proceedings.iaamonline.org/article/vpoam-2021-02128

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Advanced Materials Letters, launched in the year 2010, publishes high-quality peer-reviewed articles by connecting both the fundamental and applied research, at the interface between advanced materials and other basic disciplines such as chemistry, physics, biology, engineering, and technology.

Researchers across the globe are encouraged to submit their next research/review via the online submission system of ScholarOne – Web of Science Group – Clarivate Analytics, USA.

<https://mc.manuscriptcentral.com/vbrpress>

Diamond Open Access Publication

All the journals and other materials are published under this model are readily available to the readers. By making valuable scientific research available to readers free of cost and without any hidden costs, IAAM is facilitating the dissemination of knowledge on a wider level. We have recently published the **June 2021** issue of *Advanced Materials Letters* online. All the articles are available for “Free to Read”.

Editor's Choice (March-April 2021)

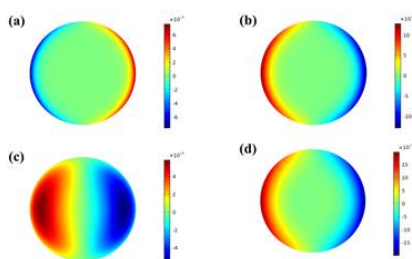


Contemporary Advances in Humidity Sensing Materials, Methods, and Performances

S.K. Shukla et al.,

Adv. Mater. Lett., 2021, 12 (6), 21061634

www.vbrpress.com/aml/articles/details/1630



Roles of the Debye Length and Skin Depth in the Characterization of Space Charge Interactions in Semiconductor Nanoparticles

Thomas Wong et al.,

Adv. Mater. Lett., 2021, 12 (6), 21061635

www.vbrpress.com/aml/articles/details/1631

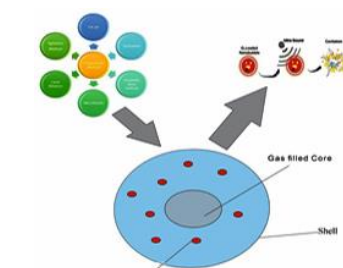


Advancements in Materials Technology for Accomplishing Sustainable Development Goals

Sachin Mishra et al.,

Adv. Mater. Lett., 2021, 12 (5), 21051625

www.vbrpress.com/aml/articles/details/1620

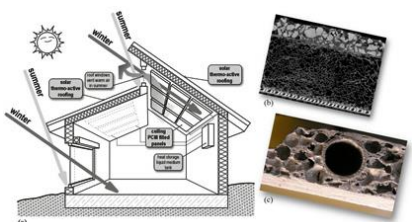


State of Art Review on Nanobubbles

A.K. Pote et al.,

Adv. Mater. Lett., 2021, 12 (3), 21031608

www.vbrpress.com/aml/articles/details/1604



Phase Change Materials Reinforced with Aluminium Foam for Latent Heat Storage

Jaroslav Jerz et al.,

Adv. Mater. Lett., 2021, 12 (3), 21031612

www.vbrpress.com/aml/articles/details/1607

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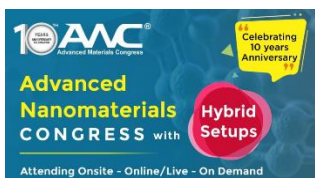
Contact Us

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Website:
www.iaamonline.org

Ongoing Events



European Advanced Materials Congress

23 – 25 August 2021, Stockholm, Sweden

Webpage: www.advancedmaterialscongress.org/eamc

Abstract Submission Deadline: 31 March 2021

Carbon Materials and Technology Congress

26 – 28 October 2021, Stockholm, Sweden

Webpage: www.advancedmaterialscongress.org/cmt/

Abstract Submission Deadline: 13 June 2021

Advanced Nanomaterials Congress

26 – 28 October 2021, Stockholm, Sweden

Webpage: www.advancedmaterialscongress.org/nano/

Abstract Submission Deadline: 13 June 2021





Advanced Materials WebCongress

31 August 2020 – 31 December 2021, Online Event

Webpage: www.advancedmaterialscongress.org/web/













Abstract Submission Deadline: Throughout the year

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