

Gilles Lubineau
Professor
Mechanical Engineering
Physical Sciences and Engineering



Qualifications

Mechanical Engineering, Habilitation, École normale supérieure Paris-Saclay
2008

Award Date: Jan 1 2008

Mechanical Engineering, Ph.D., École normale supérieure Paris-Saclay
2002

Award Date: Jan 1 2002

Theoretical Mechanics, Agrégation
1999

Award Date: Jan 1 1999

Mechanical Engineering, M.S., École normale supérieure Paris-Saclay
1998

Award Date: Jan 1 1998

2022 → 2023 Interim Dean for Physical Science and Engineering Division, KAUST

2020 → 2023 Associate Dean for Faculty, Physical Science and Engineering Division, KAUST

2017 → 2019 Chair of Faculty of Mechanical Engineering, KAUST

2009 → 2012 Acting (and founding) Program Chair of KAUST Mechanical Engineering Program

2003 → 2009 Assistant Professor, Ecole Normale Supérieure de Cachan, France

Employment

Professor, Mechanical Engineering

Professor

Mechanical Engineering

King Abdullah University of Science and Technology

Saudi Arabia

May 1 2023 → present

Physical Sciences and Engineering

King Abdullah University of Science and Technology

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Jul 15 2009 → present

Research outputs

Tripling thermoplastic adhesive tape shear fatigue lifetime by decorating the adhesive-carrier interface with tailored sacrificial defects

Wagih, A., Oz, F. E. & Lubineau, G., Jan 1 2024, In: Journal of Materials Research and Technology. 28, p. 255-265 11 p.

Designing Macromolecules on Nanoparticle Surfaces: In Situ Formation of Silica Grafted with Star Chains

Aldakheel, F., Ntetsikas, K., Yudhanto, A., Lubineau, G. & Hadjichristidis, N., Dec 8 2023, In: ACS Applied Polymer Materials. 5, 12, p. 9721-9731 11 p.

Atmospheric-moisture-induced polyacrylate hydrogels for hybrid passive cooling

Galib, R. H., Tian, Y., Lei, Y., Dang, S., Li, X., Yudhanto, A., Lubineau, G. & Gan, Q., Dec 2023, In: Nature Communications. 14, 1, 6707.

A holistic approach to include SiC and design the optimal extrudate catalyst for hydrogen production–reforming routes
Alkadhem, A. M., Tavares, F., Realpe, N., Lezcano, G., Yudhanto, A., Subah, M., Manaças, V., Osinski, J., Lubineau, G. & Castaño, P., Oct 1 2023, In: Fuel. 349, 128717.

High-Sensitivity RFID Sensor for Structural Health Monitoring

Nesser, H., Mahmoud, H. A. & Lubineau, G., Sep 15 2023, In: Advanced Science. 10, 26, 2301807.

Snap-through Crack Propagation in Architected Bonded Interfaces Analyzed Using a Mechanoluminescent SAO/E Coating

Morano, C., Terasaki, N., Gao, T., Lubineau, G. & Alfano, M., Aug 30 2023, In: ACS Applied Materials and Interfaces. 15, 34, p. 40887-40897 11 p.

ENHANCED FRACTURE TOUGHNESS OF BONDED JOINTS USING TAILORED SACRIFICIAL CRACKS

Wagih, A. (Inventor) & Lubineau, G. (Inventor), Aug 3 2023, IPC No. B29C 65/ 82 A I, Patent No. US2023241843, Priority date Jun 16 2021, Priority No. US202118009870

Contributions of chemical interactions and mechanical interlocking for the adhesion of electroplated copper to ABS in the Cr(VI) etching process

Tao, R., Fatta, L., Melentiev, R., Tevtia, A. K. & Lubineau, G., Aug 2023, In: International Journal of Adhesion and Adhesives. 126, 103450.

Mapping the coating failure modes of electroless plated metal on ABS polymer with micro-nano structured interface

Melentiev, R., Tao, R., Li, X., Tevtia, A. K., Verghese, N. & Lubineau, G., Aug 2023, In: International Journal of Adhesion and Adhesives. 126, 103471.

Coupling physics-informed neural networks and constitutive relation error concept to solve a parameter identification problem

Wei, Y., Serra, Q., Lubineau, G. & Florentin, E., Jul 15 2023, In: Computers and Structures. 283, 107054.

In Situ Formation of Silica Nanoparticles Decorated with Well-Defined Homopolymers and Block Copolymers

Aldakheel, F., Ntetsikas, K., Yudhanto, A., Lubineau, G. & Hadjichristidis, N., Jun 9 2023, In: ACS Applied Polymer Materials. 5, 6, p. 4244-4255 12 p.

Frankenstein's data-driven computing approach to model-free mechanics

van der Heijden, B., Wang, Y. & Lubineau, G., Jun 2023, In: Computational Mechanics. 71, 6, p. 1269-1280 12 p.

Identifying adhesion characteristics of metal-polymer interfaces: Recent advances in the case of electroplated acrylonitrile butadiene styrene

Yudhanto, A., Li, X., Tao, R., Melentiev, R. & Lubineau, G., Jun 2023, In: Materials Today Communications. 35, 106218.

Towards decoupling chemical and mechanical adhesion at the electroplated metal/polymer interface via precision surface texturing

Melentiev, R., Tao, R., Fatta, L., Tevtia, A. K., Verghese, N. & Lubineau, G., Jun 2023, In: Surfaces and Interfaces. 38, 102875.

Greener electrochemical plating of ABS polymer with unprecedented adhesion via hierarchical micro–nanotexturing

Melentiev, R., Tao, R. & Lubineau, G., May 1 2023, In: Journal of Materials Research and Technology. 24, p. 3575-3587 13 p.

Enhanced Open-Hole Strength and Toughness of Sandwich Carbon-Kevlar Woven Composite Laminates

Khan, M. K. A., Junaedi, H., Alshahrani, H., Wagih, A., Lubineau, G. & Sebaey, T. A., May 2023, In: Polymers. 15, 10, 2276.

Improving performance of composite/metal T-joints by using corrugated aluminum stiffeners
Morano, C., Wagih, A., Alfano, M. & Lubineau, G., Mar 1 2023, In: Composite Structures. 307, 116652.

Prediction of a complex delamination front using a general cohesive model
Hu, P., Li, X. & Lubineau, G., Mar 1 2023, In: Composites Science and Technology. 233, 109911.

On the benefit of thin plies on flexural response of CFRP composites aged at elevated temperature
Basha, M., Wagih, A., Khan, T., Lubineau, G. & Sebaey, T. A., Mar 2023, In: Composites Part A: Applied Science and Manufacturing. 166, 107393.

Design Strategies for Strain-Insensitive Wearable Healthcare Sensors and Perspective Based on the Seebeck Coefficient
Xin, Y., Zhou, J., Nesser, H. & Lubineau, G., Jan 2023, In: Advanced Electronic Materials. 9, 1, 2200534.

Towards Tough Thermoplastic Adhesive Tape by Microstructuring the Tape Using Tailored Defects
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High Sensitivity Wireless Strain Sensor for SHM Applications
Mahmoud, H. A., Nesser, H., Wagih, A. & Lubineau, G., 2023, *Structural Health Monitoring 2023: Designing SHM for Sustainability, Maintainability, and Reliability - Proceedings of the 14th International Workshop on Structural Health Monitoring*. Farhangdoust, S., Guemes, A. & Chang, F.-K. (eds.). DESTECH PUBLICATIONS, INC, p. 1086-1091 6 p. (Structural Health Monitoring 2023: Designing SHM for Sustainability, Maintainability, and Reliability - Proceedings of the 14th International Workshop on Structural Health Monitoring).

Post-consolidation process for modifying microscale and mesoscale parameters of 3D printed composite materials
Yudhanto, A., Aldhirgham, A., Feron, E. & Lubineau, G., 2023, In: Frontiers in Materials. 10, 1286840.

A Stretchable Fiber with Tunable Stiffness for Programmable Shape Change of Soft Robots
Chellattoan, R. & Lubineau, G., Dec 1 2022, In: Soft Robotics. 9, 6, p. 1052-1061 10 p.

Minimizing the wiring in distributed strain sensing using a capacitive sensor sheet with variable-resistance electrodes
Nesser, H. & Lubineau, G., Dec 2022, In: Scientific Reports. 12, 1, 13950.

Learning from Global Sensitivity Analysis about identification of adhesion properties between an elastoplastic film and a rigid substrate
Li, X. & Lubineau, G., Nov 1 2022, In: International Journal of Solids and Structures. 254-255, 111845.

Sandwich composite laminate with intraply hybrid woven CFRP/dyneema core for enhanced impact damage resistance and tolerance
Melaibari, A., Wagih, A., Basha, M., Lubineau, G., Al-Athel, K. & Eltaher, M. A., Nov 2022, In: Journal of Materials Research and Technology. 21, p. 1787-1797 11 p.

Simultaneous strengthening and toughening of composite T-joints by microstructuring the adhesive bondline
Wagih, A., Hashem, M. & Lubineau, G., Nov 2022, In: Composites Part A: Applied Science and Manufacturing. 162, 107134.

Decomposing the coupling damage in mode I multidirectional delamination
Hu, P., Tao, R., Li, X. & Lubineau, G., Oct 20 2022, In: Composites Science and Technology. 229, 109684.

Laser ablation of CFRP surfaces for improving the strength of bonded scarf composite joints
ALYousef, J., Yudhanto, A., Tao, R. & Lubineau, G., Sep 15 2022, In: Composite Structures. 296, 115881.

Cassette-like peeling system for testing the adhesion of soft-to-rigid assemblies

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Metallization of polymers and composites: State-of-the-art approaches

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Evolution of the Seebeck effect in nanoparticle-percolated networks under applied strain

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Large-scale hot embossing of 1 μm high-aspect-ratio textures on ABS polymer

Melentiev, R. & Lubineau, G., Aug 2022, In: CIRP Journal of Manufacturing Science and Technology. 38, p. 340-349 10 p.

Toughening effect in adhesive joints comprising a CFRP laminate and a corrugated lightweight aluminum alloy

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Polyethylene grafted silica nanoparticles via surface-initiated polyhomologation: A novel filler for polyolefin nanocomposite

Alghamdi, R. D., Yudhanto, A., Lubineau, G., Abou-Hamad, E. & Hadjichristidis, N., Jul 21 2022, In: Polymer. 254, 125029.

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Toughening adhesive joints through crack path engineering using integrated polyamide wires

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On the impact damage resistance and tolerance improvement of hybrid CFRP/Kevlar sandwich composites

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Mechanical Reliability of Fullerene/Tin Oxide Interfaces in Monolithic Perovskite/Silicon Tandem Cells

De Bastiani, M., Armaroli, G., Jalmood, R., Ferlauto, L., Li, X., Tao, R., Harrison, G. T., Eswaran, M. K., Azmi, R., Babics, M., Subbiah, A. S., Aydin, E., Allen, T. G., Combe, C., Cramer, T., Baran, D., Schwingenschlöggl, U., Lubineau, G., Cavalcoli, D. & De Wolf, S., Feb 11 2022, In: ACS Energy Letters. 7, 2, p. 827-833 7 p.

Impact and post-impact response of lightweight CFRP/wood sandwich composites

Basha, M., Wagih, A., Melaibari, A., Lubineau, G., Abdraboh, A. M. & Eltaher, M. A., Jan 1 2022, In: Composite Structures. 279, 114766.

A CASSETTE-LIKE PEELING TEST SYSTEM FOR EVALUATING THE DELAMINATION RESISTANCE OF SOFT-TO-RIGID BONDING ASSEMBLIES

Li, X. & Lubineau, G., 2022, *20th European Conference on Composite Materials: Composites Meet Sustainability, ECCM 2022*. Composite Construction Laboratory (CCLab), Ecole Polytechnique Federale de Lausanne (EPFL), p. 417-422 6 p.

AVOIDING COMPLETE FAILURE OF COMPOSITE T-JOINTS BY EMBEDDING SACRIFICIAL CRACKS INSIDE THE BONDLINE

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DISTRIBUTED STRAIN SENSING IN COMPOSITE MATERIALS BY USING A CAPACITIVE SENSOR SHEET WITH CRAKED ELECTRODES.

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Effect of actual surface area on adhesion strength of copper electroplated on ABS plastic micro-textured by hot embossing
Melentiev, R., Tao, R., Fatta, L., Tevtia, A. K. & Lubineau, G., 2022, p. 210-215. 6 p.

EXPERIMENTAL AND NUMERICAL STUDY OF THE INTRA/INTER LAMINAR DAMAGE COUPLING OF LAMINATED COMPOSITES

Hu, P. & Lubineau, G., 2022, *Modeling and Prediction*. Vassilopoulos, A. P. & Michaud, V. (eds.). Composite Construction Laboratory (CCLab), Ecole Polytechnique Federale de Lausanne (EPFL), p. 237-242 6 p. (ECCM 2022 - Proceedings of the 20th European Conference on Composite Materials: Composites Meet Sustainability; vol. 4).

NONMETALIC COMPOSITES AGING IN OIL AND GAS APPLICATION

Badeghaish, W., Wagih, A., Seraj, M. & Lubineau, G., 2022, *Applications and Structures*. Vassilopoulos, A. P. & Michaud, V. (eds.). Composite Construction Laboratory (CCLab), Ecole Polytechnique Federale de Lausanne (EPFL), p. 563-569 7 p. (ECCM 2022 - Proceedings of the 20th European Conference on Composite Materials: Composites Meet Sustainability; vol. 5).

Snap-back instability of double cantilever beam with bridging

Li, X., Lu, S. & Lubineau, G., Dec 15 2021, In: *International Journal of Solids and Structures*. 233, 111150.

Polymer metallization via cold spray additive manufacturing: A review of process control, coating qualities, and prospective applications

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Bio-inspired adhesive joint with improved interlaminar fracture toughness

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Influence of curing processes on the development of fiber bridging during delamination in composite laminates

Hu, P., Pulungan, D., Tao, R. & Lubineau, G., Oct 2021, In: *Composites Part A: Applied Science and Manufacturing*. 149, 106564.

Strain Sensing by Electrical Capacitive Variation: From Stretchable Materials to Electronic Interfaces

Nesser, H. & Lubineau, G., Oct 2021, In: *Advanced Electronic Materials*. 7, 10, 2100190.

Robust, Long-Term, and Exceptionally Sensitive Microneedle-Based Bioimpedance Sensor for Precision Farming

Bukhamsin, A., Moussi, K., Tao, R., Lubineau, G., Blilou, I., Salama, K. N. & Kosel, J., Aug 18 2021, In: *Advanced Science*. 8, 16, 2101261.

Achieving Super Sensitivity in Capacitive Strain Sensing by Electrode Fragmentation

Nesser, H. & Lubineau, G., Aug 4 2021, In: *ACS Applied Materials and Interfaces*. 13, 30, p. 36062-36070 9 p.

Surface preparation strategies in secondary bonded thermoset-based composite materials: A review

Yudhanto, A., Alfano, M. & Lubineau, G., Aug 2021, In: *Composites Part A: Applied Science and Manufacturing*. 147, 106443.

Bio-inspired composite laminate design with improved out-of-plane strength and ductility

Melaibari, A., Wagih, A., Basha, M., Kabeel, A. M., Lubineau, G. & Eltaher, M. A., May 2021, In: *Composites Part A: Applied Science and Manufacturing*. 144, 106362.

Smartphone-Based Single-Camera Stereo-DIC System: Thermal Error Analysis and Design Recommendations

Yu, L., Bekdullayev, N. & Lubineau, G., Apr 1 2021, In: *IEEE Sensors Journal*. 21, 7, p. 9567-9576 10 p., 9337914.

Effect of mechanical pretreatments on damage mechanisms and fracture toughness in crfp/epoxy joints

Morano, C., Tao, R., Alfano, M. & Lubineau, G., Mar 2 2021, In: *MATERIALS*. 14, 6, 1512.

Enhanced mode II fracture toughness of secondary bonded joints using tailored sacrificial cracks inside the adhesive
Wagih, A. & Lubineau, G., Mar 1 2021, In: Composites Science and Technology. 204, 108605.

Fatigue crack growth in laser-treated adhesively bonded composite joints: An experimental examination
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Strength-induced peridynamic modeling and simulation of fractures in brittle materials
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A smartphone camera and built-in gyroscope based application for non-contact yet accurate off-axis structural displacement measurements
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A dynamic hybrid local/nonlocal continuum model for wave propagation
Han, F., Liu, S. & Lubineau, G., Jan 2021, In: Computational Mechanics. 67, 1, p. 385-407 23 p.

Effect of Mechanical Pre-Treatments on Damage Mechanisms and Fracture Toughness in CFRP/Epoxy Joints
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An enriched cohesive law using plane-part of interfacial strains to model intra/inter laminar coupling in laminated composites
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Enhancement of fracture toughness in secondary bonded CFRP using hybrid thermoplastic/thermoset bondline architecture
Yudhanto, A., Almulhim, M., Kamal, F., Tao, R., Fatta, L., Alfano, M. & Lubineau, G., Oct 20 2020, In: Composites Science and Technology. 199, 108346.

Inkjet-printed Ti_3C_2X MXene electrodes for multimodal cutaneous biosensing
Saleh, A., Wustoni, S., Bihar, E., El-Demellawi, J. K., Zhang, Y., Hama, A., Druet, V., Yudhanto, A., Lubineau, G., Alshareef, H. N. & Inal, S., Oct 2020, In: JPhys Materials. 3, 4, 044004.

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On the effect of interfacial patterns on energy dissipation in plastically deforming adhesive bonded ductile sheets
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How the spatial correlation in adhesion properties influences the performance of secondary bonding of laminated composites

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Improving mode II fracture toughness of secondary bonded joints using laser patterning of adherends

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Rate-dependent viscoelasticity of an impact-hardening polymer under oscillatory shear

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How variability in interfacial properties results in tougher bonded composite joints by triggering bridging

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Post-impact flexural behavior of carbon-aramid/epoxy hybrid composites

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On controlling interfacial heterogeneity to trigger bridging in secondary bonded composite joints: An efficient strategy to introduce crack-arrest features

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Nauman, S. & Lubineau, G., Jan 1 2020, *Nanosensors and Nanodevices for Smart Multifunctional Textiles*. Elsevier Applied Science, p. 55-81
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A new strategy for balancing sensitivity and stretchability in strain sensor with well-controlled high-density cracks

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Competition between rate-dependency of bulk laminates and interlaminar interface on the responses of thermoplastic composites

Pulungan, D., Hu, P., Yudhanto, A., Lubineau, G. & Yaldiz, R., 2020, *ECCM 2018 - 18th European Conference on Composite Materials*. Applied Mechanics Laboratory, (ECCM 2018 - 18th European Conference on Composite Materials).

Effect of process- And annealing-induced shrinkage on the thermomechanical properties of glass fiber-reinforced polypropylene

Mulle, M., Wafai, H., Yudhanto, A., Lubineau, G., Yaldiz, R., Schijve, W. & Verghese, N., 2020, *ECCM 2018 - 18th European Conference on Composite Materials*. Applied Mechanics Laboratory, (ECCM 2018 - 18th European Conference on Composite Materials).

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A synergetic layered inorganic–organic hybrid film for conductive, flexible, and transparent electrodes

Singh, D., Tao, R. & Lubineau, G., Dec 1 2019, In: npj Flexible Electronics. 3, 1, 10.

Author Correction: Modeling of systematic errors in stereo-digital image correlation due to camera self-heating (Scientific Reports, (2019), 9, 1, (6567), 10.1038/s41598-019-43019-7)

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Copolymer-enabled stretchable conductive polymer fibers

Tian, G., Zhou, J., Xin, Y., Tao, R., Jin, G. & Lubineau, G., Aug 26 2019, In: Polymer. 177, p. 189-195 7 p.

Emergent protective organogenesis in date palms: A morpho-devo-dynamic adaptive strategy during early development

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All-polymer based polymorph skin with controllable surface texture

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On the anisotropic behavior of electrodes for electrical-based monitoring of CFRP laminated composites

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In situ micro-scale high-speed imaging for evaluation of fracture propagation and fracture toughness of thermoplastic laminates subjected to impact

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Accurate 3D shape, displacement and deformation measurement using a Smartphone

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Influence of process-induced shrinkage and annealing on the thermomechanical behavior of glass fiber-reinforced polypropylene

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Prizes

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Lubineau, G. (Recipient), 2013

Co-recipient (with M. Alfano) of the Poster Award at the International Conference of the European Adhesion Society, EURADH'2012

Lubineau, G. (Recipient), 2012

Daniel Valentin Award

Lubineau, G. (Recipient), 2004

Loctite-Henkel Research Award

Lubineau, G. (Recipient), 2011

SREE DGA Award

Lubineau, G. (Recipient), 2008

Press/Media

2nd International Conference on Polymers and Composites 22' - Press Release issued by National Textile University

Lubineau, G.

12/21/22

1 item of Media coverage

Aramco and King Abdullah University Establish Technology Consortium to Drive Sustainable Energy Solutions

Lubineau, G.

01/9/24

1 item of Media coverage

Aramco-KAUST consortium for nonmetallics and composites in energy applications

Lubineau, G.

01/10/24

1 item of Media coverage

Aramco-KAUST to Form Consortium for Nonmetallics and Composites in Energy Applications

Lubineau, G.

01/10/24

1 item of Media coverage

Aramco-KAUST to Form Consortium for Nonmetallics and Composites in Energy Applications

Lubineau, G.

01/10/24

1 item of Media coverage

Aramco, KAUST to Form Consortium for Nonmetallics and Composites in Energy Applications

Lubineau, G.

01/10/24 → 01/11/24

2 items of Media coverage

Dr. Chak Chan is appointed new dean of the Physical Science and Engineering (PSE) division at KAUST

Lubineau, G. & Chan, C.

12/14/22

1 item of Media coverage

Findings on Additive Manufacturing Detailed by Investigators at King Abdullah University of Science and Technology (KAUST) (High-resolution Metal 3d Printing Via Digital Light Processing)

Lubineau, G., Abdel Hady, A., Melentiev, R. & Grande, C.

06/25/24
1 item of Media coverage

Incorporating regular cracks in electrodes for wireless strain sensors brings better sensitivity
Lubineau, G. & Nesser, H.
09/28/21
2 items of Media coverage

Investigators from King Abdullah University of Science and Technology (KAUST) Have Reported New Data on Nanoparticles (In Situ Formation of Silica Nanoparticles Decorated With Well-defined Homopolymers and Block Copolymers)
Lubineau, G.
07/10/23
1 item of Media coverage

JEC Group: JEC World 2024 Full Program & Speakers Announced
Lubineau, G.
02/6/24
1 item of Media coverage

KAUST builds on success in AI to expand training to meet Saudi workforce demand
Lubineau, G.
10/11/22
1 item of Media coverage

King Abdullah University of Science and Technology (KAUST) Reports Findings in Technology (High-Sensitivity RFID Sensor for Structural Health Monitoring)
Lubineau, G., Mahmoud, H. & Nesser, H.
07/17/23
1 item of Media coverage

New Information Technology Data Have Been Reported by Investigators at King Abdullah University of Science and Technology (KAUST) (Frankenstein's Data-driven Computing Approach To Model-free Mechanics)
Lubineau, G.
04/24/23
1 item of Media coverage

New Nanotechnology Findings Reported from King Abdullah University of Science and Technology (KAUST) (Mapping the Coating Failure Modes of Electroless Plated Metal On Abs Polymer With Micro-nano Structured Interface)
Lubineau, G., Li, X. & Melentiev, R.
09/14/23
1 item of Media coverage

Researchers from King Abdullah University of Science and Technology (KAUST) Discuss Findings in Nanoparticles (Designing Macromolecules On Nanoparticle Surfaces: In Situ Formation of Silica Grafted With Star Chains)
Lubineau, G.
01/5/24
1 item of Media coverage

Researchers from King Abdullah University of Science and Technology (KAUST) Report Findings in Fuel Research (A Holistic Approach To Include Sic and Design the Optimal Extrudate Catalyst for Hydrogen Production-reforming Routes)
Lubineau, G., Castaño, P., Realpe Munoz, N., Lezcano, G., Tavares, F. & Alkadhem, A. M.
10/3/23
1 item of Media coverage

Research from King Abdullah University of Science and Technology (KAUST) Provides New Study Findings on Composite Materials (Enhanced damage tolerance and fracture toughness of lightweight carbon-Kevlar fiber hybrid laminate)

Lubineau, G. & Mahmoud, H. A.
03/4/24
1 item of Media coverage

Saudi Arabia : KAUST builds on success in AI to expand training to meet Saudi workforce demand

Lubineau, G.
11/14/22
1 item of Media coverage

Saudi Arabia : KAUST builds on success in AI to expand training to meet Saudi workforce demand

Lubineau, G.
11/15/22
1 item of Media coverage

Saudi Arabia : KAUST builds on success in AI to expand training to meet Saudi workforce demand

Lubineau, G.
11/14/22
1 item of Media coverage

Saudi Aramco-KAUST to form consortium for nonmetallics and composites in energy applications

Lubineau, G.
01/11/24
1 item of Media coverage

State University of New York (SUNY) Buffalo Researchers Add New Study Findings to Research in Science (Atmospheric-moisture-induced polyacrylate hydrogels for hybrid passive cooling)

Lubineau, G., Gan, Q., Li, X. & Dang, S.
11/9/23
1 item of Media coverage

Studies in the Area of Materials Research Reported from King Abdullah University of Science and Technology (KAUST) (Characterizing ABS-copper chemistry-dependent adhesion: From the atomic to macro level)

Schwingenschloegl, U., Lubineau, G., Li, X., Lanza, M., Melentiev, R. & Zhu, K.
03/15/24
1 item of Media coverage

Study Data from King Abdullah University of Science and Technology (KAUST) Update Knowledge of Solar Energy (Mitigating Delamination In Perovskite/silicon Tandem Solar Modules)

Lubineau, G., De Wolf, S., Li, X., Razzaq, A., Zhang, S., Vishal, B., Pininti, A. R. & Kosar, S.
07/23/24
1 item of Media coverage

US Patent Issued to KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY on Feb. 22 for "Methods of treating graphitic materials and of preparing colloidal solutions including graphitic materials" (Saudi Arabia Inventors)

Lubineau, G.
02/23/22
1 item of Media coverage

US Patent Issued to KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY on July 27 for "Devices and methods relating to fragmented carbon nanotube sensors" (Saudi Arabia Inventors)

Lubineau, G.
07/28/21
1 item of Media coverage

US Patent Issued to KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY on June 21 for "Method for making copolymer-wrapped nanotube fibers" (Saudi Arabia, American Inventors)

Lubineau, G.

06/22/22

1 item of Media coverage

US Patent Issued to KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, UNIVERSITA DELLA CALABRIA on Oct. 11 for "Joining carbon laminates using pulsed laser irradiation" (Saudi Arabia, Italian Inventors)

Lubineau, G.

10/12/22

1 item of Media coverage

Datasets

Data for "NeAT: Neural Adaptive Tomography"

Idoughi, R. (Creator), Zang, G. (Creator), Tao, R. (Creator), Rückert, D. (Creator), Wang, Y. (Creator), Li, R. (Creator), Lubineau, G. (Creator), Heidrich, W. (Creator), Idoughi, R. (Creator), Zang, G. (Creator), Tao, R. (Creator), Rückert, D. (Creator), Wang, Y. (Creator), Li, R. (Creator), Lubineau, G. (Creator) & Heidrich, W. (Creator), KAUST Research Repository, Mar 29 2022

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Data for "Space-time Tomography for Continuously Deforming Objects"

Zang, G. (Creator), Idoughi, R. (Creator), Tao, R. (Creator), Lubineau, G. (Creator), Wonka, P. (Creator), Heidrich, W. (Creator) & Idoughi, R. (Creator), KAUST Research Repository, Apr 26 2018

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