

Altair Enlighten Award® 2021 Rules & Regulations

SUBMISSION DEADLINE: Sunday, May 31, 2021

Award Categories

The 2021 Altair Enlighten Award will recognize leaders in the development of lightweight solutions within the automotive industry. The award will be presented in five categories:

- Sustainable Product – Production vehicle (or major system module) award recognizing emissions, lightweighting, and safety advances.
- Sustainable Process – Manufacturing award recognizing material reuse/recycling and water conservation advances.
- Module Lightweighting – Mass reduction of a vehicle module, subsystem or component.
- Lightweighting Enabling Technology: Technology advancement that enables vehicle lightweighting including a material, production process, design method, or joining technology.
- Future of Lightweighting: Process, material or technology that is not yet in production, but has significant potential to advance vehicle lightweighting.

Judging Criteria

- Preliminary judging will be based solely on the quality of the entry submitted via the nomination form and any supporting material provided
 - The preliminary judging committee will be formed Altair and CAR representatives with the purpose of down selecting nominations for consideration by the independent judging panel
 - Preliminary judging will use the same criteria as secondary judging
 - In some instances, the preliminary judging committee may contact a nominee for more information
- Secondary judging will be performed by an independent judging panel led by CAR
 - The independent judging panel will be led by CAR who will invite and chair a group of recognized industry experts to select the winning entries in all the categories
 - The criteria for scoring entries are weighted and based on specific achievements in each category

Considerations for Sustainable Product and Sustainable Process Categories

- Successful Nominations will:
 - Show significant progress in production vehicle technologies that lead to carbon footprint reduction.
 - Demonstrate novel solution to reduce water/energy consumption through operations, engagement, or technology.
 - Show successful efforts in material reuse and recycling.
 - All solutions should be original and make business sense.
 - Demonstrate sourcing decision based on ESG goals for the company
- Scoring of entries will be weighted and based on the ability to demonstrate the following achievements
 - 30% - Progress towards company's sustainability goals
 - Show that the technology/solution provides significant progress towards the company's environmental sustainability goals.
 - 25% - Cost versus Benefit
 - Demonstrate that the cost versus benefit analysis makes business sense.
 - 25% - Innovation
 - The submission should demonstrate significant advancements over the current industry state-of-the-art.
 - Submissions can demonstrate a solution that is novel to the industry in two ways:
 - Present an innovative product or process that improves sustainability.
 - Offer an innovative tool to effectively track and report sustainability efforts.
 - 20% - Supplier engagement
 - Credit will be given to entries that provide solutions with significant potential for supply-chain adoption.

- Potential for broad industry adoption will be given preference.

Considerations for Module Lightweighting, Lightweighting Enabling Technology, and Future of Lightweighting Categories

- Successful Nominations will:
 - Show significant weight saving over a comparable baseline
 - Provide a solution that is applicable to other applications/programs
 - Demonstrate a solution that is novel to the industry
 - Deliver a cost neutral product
- Scoring of entries will be weighted and based on the ability to demonstrate the following achievements
 - 30% Weight
 - Show significant weight saving over a comparable baseline component or system
 - In the case of a Module Lightweighting submission this must be a direct comparison to an equivalent system from a previous program
 - Lightweighting Enabling Technology submissions should provide a weight advantage at the component, system, or full vehicle level
 - Future of Lightweighting submissions can describe potential weight savings at a component, system, or full vehicle level
 - 25% Applicability
 - Submissions with production implementation on multiple vehicle lines at time of entry compounding weight savings through volume should note this in the entry
 - Credit will be given to entries that provide solutions with significant potential for large-volume adoption even if initial application is on a low-volume vehicle
 - Future of Lightweighting submissions with potential for broad industry adoption will be given preference
 - 25% Innovation
 - The submission should demonstrate significant advancements over the current industry state-of-the-art
 - Submissions can demonstrate a solution that is novel to the industry in three ways:
 - Present an innovative design
 - Explain an innovative manufacturing process
 - Offer an innovative design method or tool
 - 20% Cost
 - Cost neutrality can be demonstrated at the component, system, or full vehicle level against a comparable baseline
 - Monetary cost calculations can be based on purchase price or total cost of ownership
 - Environmental impact calculations, including end of life costs of a more recyclable solution, will also be considered by the judges
 - Submissions that demonstrate a monetary and environmental advantage will be given preference
 - Future of Lightweighting submissions should provide monetary cost and environmental impact projections

Submissions

- The submitting team should select the category that best suits their project
- All entries must be submitted online at <https://www.altair.com/enlighten-award> or emailed to enlightenaward@altair.com, and received by May 31, 2021
 - Entries can only be submitted using the official nomination form on <https://www.altair.com/enlighten-award/>, or by email to enlightenaward@altair.com
 - Receipt of a nomination form will be acknowledged via email
 - Entrants have the **option** to provide additional assets to accompany their application, including pictures, PowerPoint presentations, videos, web links, and representative parts.

- Limit one video per entry, no longer than three minutes, up to 50MB is size – please upload or provide a link where indicated on the Entry Form, we cannot accept any video files by email.
- Entrants also have the **option** to submit additional assets to accompany their application
 - A prototype is NOT required, however if a working prototype does exist, please indicate this where appropriate on the Entry Form.
 - Entrants are encouraged to include research reports, concept designs, simulation results, test results, photos and images, patents, news mentions, etc. to support their application.
- A nomination may be submitted on behalf of an OEM, a supplier, or may be a joint nomination involving two or more entities, such as an OEM and a supplier
 - If applicable, submissions from tier suppliers must have received prior approval from the appropriate OEM before submitting a nomination for designs
- Multiple submissions by an organization are acceptable
 - A component or system can only be submitted for consideration once
- Communication about the submission will be directed solely to the lead contact of the submitting team specified on the nomination form
 - In the event that the lead contact leaves the organization during the judging process a replacement can be submitted

Prizes and Recognition

- The winning entrants will be announced during the CAR Management Briefing Seminar (MBS) event August 4 -August 6, 2021
 - If the event is held physically, the Altair Enlighten Award trophies (the “Award”) will be presented at the Award Banquet and the winners will, again be recognized on the CAR MBS main stage the next morning.
 - If the event is virtual, or a hybrid of virtual and physical, alternate arrangements made will be communicated to winners accordingly.
- The Award winners will be invited to participate in a Panel Discussion to be held at the MBS and the permission of attending the event on that day.
- The Award winners and the finalists of all the categories will receive media coverage of their technology, prominent feature on the Altair Enlighten web page, promotion on social media, including but not limited to LinkedIn, Facebook, and Twitter, visibility at the Altair Technology Conference(s) [if Altair software was used in the design process] and other relevant tradeshow, certificates of recognition, and branded badge for addition to their website.
- Award winners will be invited to join MBS proceedings
- A Future of Lightweighting winner coming out of academia will receive a \$5,000 cash scholarship. \$2,500 cash will be awarded as a scholarship for finalists coming out of academia. Internships at one of Altair’s global locations may also be offered to students involved in the finalist projects

Requirements of Nominees and Disclosure of Entry

By entering a Nomination for the Award, each Nominee represents and warrants that any information submitted to Sponsor does not infringe the intellectual property rights of any third party. Sponsor reserves the right to independently verify the originality and ownership of any Nominee’s Nomination, and to validate that said Nomination does not violate the proprietary rights of any third party. By submitting a Nomination, Nominee’s ideas, methods and materials may be made available to the public.

Permission to Publish

Nominees retain ownership of their Nomination(s), including all intellectual property rights which may exist in the Nomination. However, by submitting a Nomination, Nominees grant Sponsor the unconditional and perpetual right, license and consent to reproduce, encode, store, copy, transmit, publish, post, broadcast, display, and exhibit the Nomination in any media throughout the world, without limitation, and without additional review, compensation, or approval from Nominee or any other party. Sponsor shall have the right, to use Nominee’s name, product likeness, biography and other information about Nominee in connection with Nominee’s Nomination. By submitting an Nomination, the Nominee further agrees not to instigate, support, maintain, or authorize any action, claim, or lawsuit against the Sponsor, or any other person, on the grounds that the Sponsor’s use of Nominee’s Nomination as set forth in these Award Rules infringes Nominee’s rights, including, without limitation, copyrights, patent rights, or trademark rights. Nominee further acknowledges that the Sponsor is in no way obligated to protect any intellectual property rights which

may exist in the Nomination. It is Nominee's sole responsibility to secure any intellectual property rights which may exist in Nominee's Nomination, whether before or after it is submitted.

Release and Limitations of Liability

By participating in the Award, Nominee agrees to release and hold harmless the Sponsor and its respective officers, directors, employees, and agents (the "Released Parties") from and against any claim or cause of action arising out of participation in the Award or receipt or use of any Award, including, but not limited to, any infringement of any third party intellectual property rights in connection with Nominee's Nomination. Nominee waives the right to claim any damages whatsoever, including, but not limited to, punitive, consequential, direct, or indirect damages.

Governing Law

The Award is subject to United States federal, state, and local laws and regulations and is void in Cuba, Iran, Libya, North Korea, Sudan, Syria, and where prohibited by law. These Award Rules shall be governed under and construed by the laws of the State of Michigan without respect to conflicts of law principles.

Sponsor's Contact Information

For all questions, please email enlightenaward@altair.com

VOID WHERE PROHIBITED BY LAW