

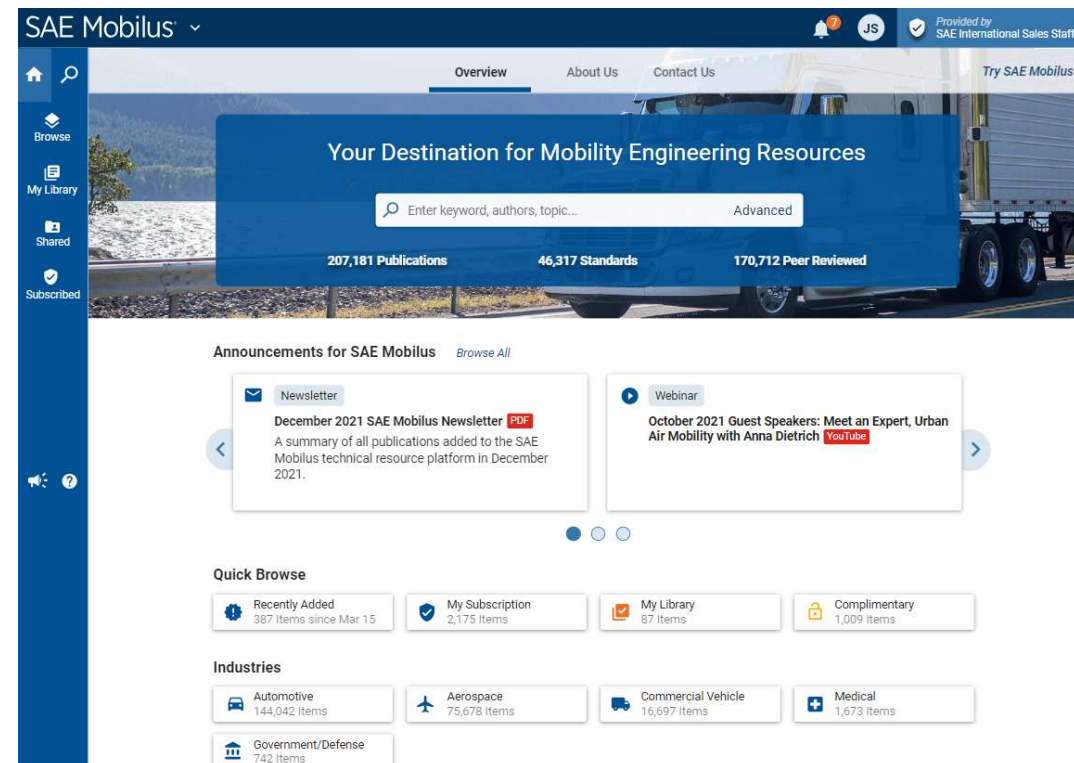
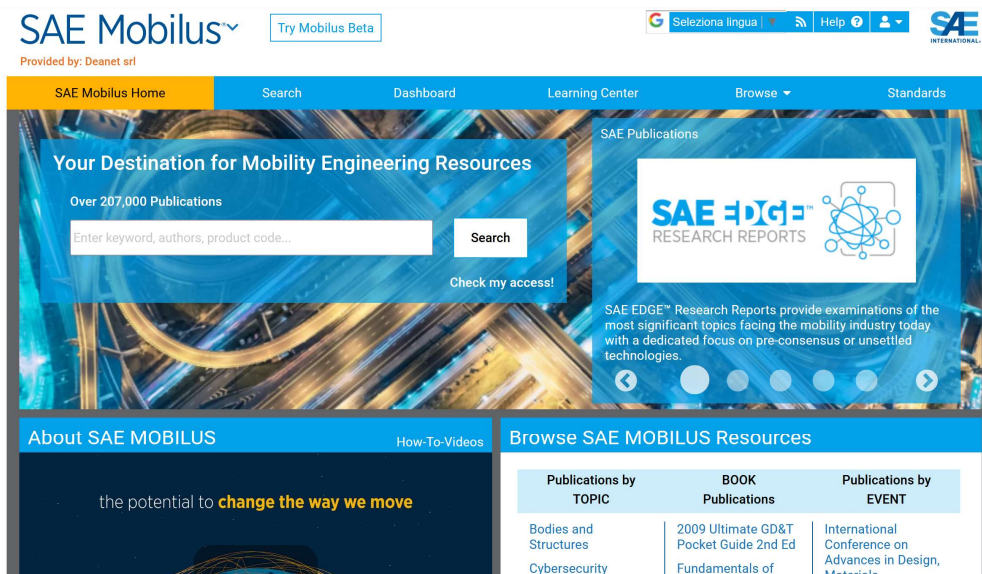
SAE Mobilus 4.0 (La Nuova Piattaforma 2024)

SAE Mobilus 3.0

<https://saemobilus.sae.org>

SAE Mobilus 4.0

<https://saemobilus-beta.sae.org/>



SAE Mobilus

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Iniziare è facilissimo!

Clicca Qui: <https://saeMobilus.sae.org/>

Effettuare il log-in utilizzando uno dei due metodi:

- Nome Utente/Password
(vi conatterà automaticamente in base all'IP del vostro computer)
- Accesso singolo
- URL Cieco
(reindirizzamento che contiene le credenziali necessarie per l'accesso)

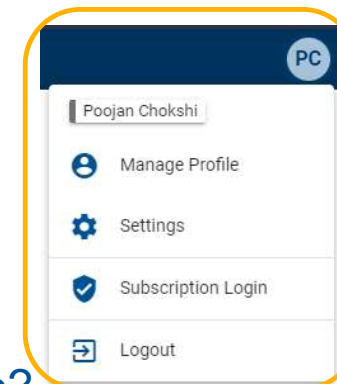
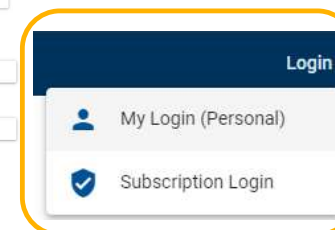
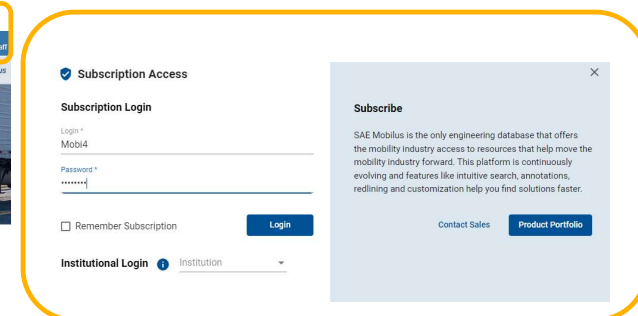
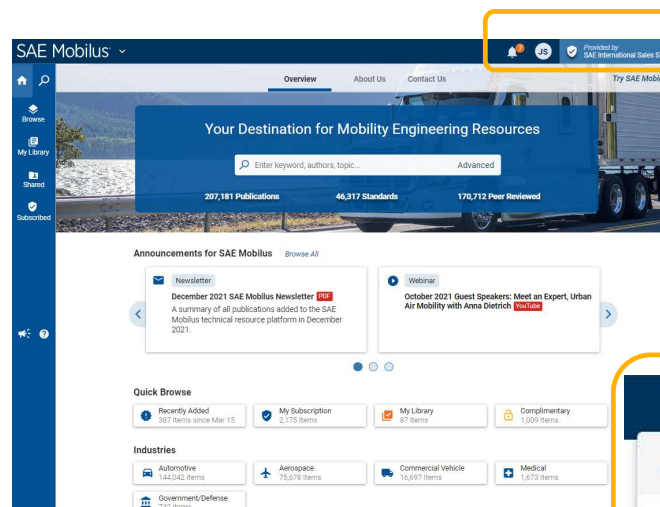


NON SICURI DI QUALE METODO D'ACCESSO UTILIZZARE?

L'amministratore SAE Mobilus della vostra organizzazione può fornirvi il metodo d'accesso a SAE Mobilus.



Siete interessati ad una dimostrazione?
Contattate l'amministratore della vostra organizzazione per una dimostrazione SAE Mobilus registrata o da programmare.



SAE Mobilus 4.0 (La Nuova Piattaforma 2024)

<https://saemobilus-beta.sae.org/>

Risposte di ricerca immediate

The screenshot displays the SAE Mobilus 4.0 beta website. The header includes the SAE Mobilus logo, a 'BETA VERSION' badge, and links for 'My Login (Personal)' and 'Provided by Deanet srl'. A horizontal navigation bar contains 'Overview', 'About Us', and 'Contact Us'. A left sidebar features icons for 'Browse', 'My Library', and 'Subscription'. The main content area has a large blue banner with the text 'Your Destination for Mobility Engineering Resources' and a search bar. The search bar contains the text 'cyber' and shows a dropdown list of results: 'cybersecurity', 'cybersecurity guidebook', 'cybersecurity guidebook for', 'cybersecurity guidebook for cyber-physical', and 'cyber-physical'. Below the banner, there is an 'Announcements for SAE Mobilus' section with a 'Service Notice' titled 'Welcome to the Mobilus beta website'. The notice text reads: 'Welcome to Mobilus beta! The Mobilus team is thrilled to announce the launch of the beta version of the redesigned Mobilus website, which marks a significant milestone in our journey toward delivering the best possible experience to o...'. To the right of the notice, there is a section titled 'What's new?' with the text: 'The following features have been added to the beta website: Site navigation - Horizontal navigation pane at the top includes: Access to enterprise menu (links to other SAE/ Fullsight applications), Login, Notifications - Vertic...'. The footer of the website includes the SAE International logo and the Deanet logo.

SAE Mobilus 4.0 (La Nuova Piattaforma 2024)

Strumenti di ricerca

The screenshot displays the SAE Mobilus 4.0 search interface. The top navigation bar includes the SAE Mobilus logo, a 'BETA VERSION' label, and user information: 'My Login (Personal)' and 'Provided by Deanet srl'. A search bar at the top contains the query 'giacomo risitano'. On the left sidebar, there are navigation icons for 'Browse', 'My Library', and 'Subscription'. Below these are filter sections: 'Filter' (Only, Features, Collections), 'Industries' (Automotive (343), Commercial Vehicle (21), Aerospace (19), Medical (1)), and 'Content Types' (Technical Paper (320), Journal Article (74), Recommended Practice (9), Magazine Article (3), Book (2), Reference (2), Technical Standard (2)). The main 'Results' section shows 'Items (412)' with a sort option 'Relevance'. Two results are visible, both marked as 'Technical Paper' and dated '04/16/2012'. The first result is 'Drag Optimization of a Sport Motorbike' (2012-01-1171) by Scappaticci, Lorenzo, Risitano, Giacomo, Battistoni, Michele, Grimaldi, Carlo. The second result is 'Analysis of the Structural Behavior of Racing Motorcycle Swingarms' (2012-01-0207) by Risitano, Giacomo, Scappaticci, Lorenzo, Grimaldi, Carlo, Mariani, Francesco. A blue circular help icon is located in the bottom right corner of the results area.

SAE Mobilus 4.0 (La Nuova Piattaforma 2024)

Strumenti di ricerca

The screenshot displays the SAE Mobilus 4.0 web interface. At the top, the header includes the SAE Mobilus logo, a 'BETA VERSION' label, and user options for 'My Login (Personal)' and 'Provided by Deanet srl'. A search bar at the top center contains the text 'giacomo risitano'. On the left sidebar, a 'Topics' list is highlighted with a red rectangle, showing various categories with their respective counts: Power and Propulsion (293), Powertrains (269), Engines (268), Environment (261), Emissions (238), Exhaust emissions (206), Diesel / compression ignition engines (195), Fuels and Energy Sources (187), On-board energy sources (182), Combustion and combustion processes (147), Particulate matter (PM) (128), Diesel fuels (106), Design Engineering and Styling (101), Nitrogen oxides (89), and Engine components (84). Below this list is a 'View More (185)' link. The main content area on the right shows search results. The first result is a 'Technical Paper' titled 'Analysis of the Structural Behavior of Racing Motorcycle Swingarms' by Scappaticci, Lorenzo, Risitano, Giacomo, Battistoni, Michele, Grimaldi, Carlo, dated 2012-01-0207. The second result is a 'Recommended Practice' titled 'Handbook for Robustness Validation of Automotive Electrical/Electronic Modules' (J1211_201211) dated 11/19/2012. The third result is another 'Technical Paper' titled 'Static/Fatigue Structural Behaviour of Damaged Stiffened Composite Plates for UAS Applications' dated 2013-01-2161. A blue circular help icon is visible in the bottom right corner of the interface.

SAE Mobilus 4.0 (La Nuova Piattaforma 2024)

Strumenti di ricerca

The screenshot displays the SAE Mobilus 4.0 search interface. The top navigation bar includes the SAE Mobilus logo, a 'BETA VERSION' label, and a 'My Login (Personal)' button. A search bar at the top contains the query 'giacomo risitano'. On the left sidebar, the 'Authors' section is highlighted with a red box, listing authors such as Beatrice, Carlo (28), Bertoli, C. (28), Del Giacomo, N. (24), and others. Below the authors list are sections for 'Affiliations', 'Publishers', 'Events', and 'Search Formats'. The main content area shows search results for 'giacomo risitano'. The first result is a 'Technical Paper' titled 'Analysis of the Structural Behavior of Racing Motorcycle Swingarms' (2012-01-0207) dated 04/16/2012. The second result is a 'Recommended Practice' titled 'Handbook for Robustness Validation of Automotive Electrical/Electronic Modules' (J1211_201211) dated 11/19/2012. The third result is a 'Technical Paper' titled 'Static/Fatigue Structural Behaviour of Damaged Stiffened Composite Plates for UAS Applications' (2013-01-2161) dated 09/17/2013.

SAE Mobilus 4.0 (La Nuova Piattaforma 2024)

HTML & PDF Version

Pagina del prodotto “Technical Papers”

Strumenti SAE Mobilus

✓ Automotive

Technical Paper

Drag Optimization of a Sport Motorbike

2012-01-1171

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Citation

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Features

Annotate

Authors

Lorenzo Scappaticci
Guglielmo Marconi University

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Michele Battistoni
Università degli Studi di Perugia

Abstract

This work focuses on optimizing the aerodynamic design of a vehicle produced for supersport use search for the best performance in terms of aerodynamics by optimizing the behavior with slight the distinctive forms of the fairing of the vehicle, keeping the motorbike recognizable: in this way competitions, such as the World Super Bike Championship, are fulfilled, since the fairing equipme the OEM one. As a matter of fact, the optimization was obtained by realizing slight changes and s appendices that can be produced aftermarket.

HTML Description Articles

PDF Articles

Event

SAE 2012 W

ABSTRACT

This work focuses on optimizing the aerodynamic design of a vehicle produced for supersport use. The main objective was to search for the best performance in terms of aerodynamics by optimizing the behavior with slight changes, in order to of the vehicle, way the rules of d Super Bike fairing equipment matter of fact, the optimization was obtained by realizing slight changes and suitable aerodynamic appendices that can be produced aftermarket.

INTRODUCTION

In popular belief, the “character” of a motorcycle can be determined at a first look, basing on instinctive feelings transmitted from its aesthetics: as an example a large windshield can suggest a touring usage for the bike, while a slender and tight fairing evokes a sporty or racing use.

Road and supersport motorbikes produced by the most famous manufacturers have, in general, the same characteristics: they are all equipped with fairings and have more or less enveloping, compelling and appealing forms. Very often we tend to accept “the aggressive appearance” of a motorcycle as guarantee of excellent performance from an aerodynamic point of view. It may happen, nevertheless, that the needs of marketing -which dictate the style and design- and the aerodynamic requirements -which are instead linked to comfort and performance- go in opposite directions. The result is, inevitable style, could dan choice is underst is undoubtedly aerodynamic per

This work focus aerodynamic per “aesthetic recogn how can aerodyn without distorting were conducted i wind tunnel facili

AERODYN AESTHETI

When the shape o account the fac important aspect

This work focus aerodynamic per “aesthetic recogn how can aerodyn without distorting were conducted i wind tunnel facili

AERODYN AESTHETI

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The connection evident since th characteristics. A since the aerodyn and stability of t sensitivity of the motorcycle-rider system to the side wind.

The motorcycles manufacturers are increasingly attentive about the aerodynamic comfort. The aerodynamics of road

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SAE Mobilus 4.0 (La Nuova Piattaforma 2024)

Pagina del prodotto “Technical Papers”

✓ Automotive Technical Paper

Drag Optimization of a Sport Motorbike

2012-01-1171

1 Description

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3 References


4 Related

5 Citation

2

View

Document Annotation



View: HTML Article

Drag Optimization of a Sport Motorbike

Lorenzo Scappaticci and Giacomo Risitano
Guglielmo Marconi University

Michele Battistoni and Carlo Grimaldi

References

3

Description View **References** Related Citation

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2012-01-1171

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doi:10.4271/2012-01-1171

Strumenti SAE Mobilus

4

✓ Automotive Technical Paper

Drag Optimization of a Sport Motorbike

2012-01-1171

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Related (99) 99 Articles....

5

Journal Article

Effects of On-Road Turbulence on Vehicle Surface Pressures in the A-Pillar Region

2008-01-0474

04/14/2008

There is increasing concern about potential differences in aerodynamic behavior measured in steady flow wind tunnel conditions and that which occurs for vehicles on the road. As tools become available for better simulation of on road conditions there is a growing practical value in understanding what range of conditions are important to simulate. Surface pressures measured on the sideglass of a European hatchback vehicle in the MIRA full scale wind tunnel are compared wi...

Lawson, Andrew A., Sims-Williams, David B., Dominy, Robert G.

Journal Article

Between the Weave Mode in Low Speed Range and Slalom Running of Motorcycles

2012-01-1171

Recent

Citation

Scappaticci, L., Risitano, G., Battistoni, M., and Grimaldi, C., "Drag Optimization of a Sport Motorbike," SAE Technical Paper 2012-01-1171, 2012, <https://doi.org/10.4271/2012-01-1171>.