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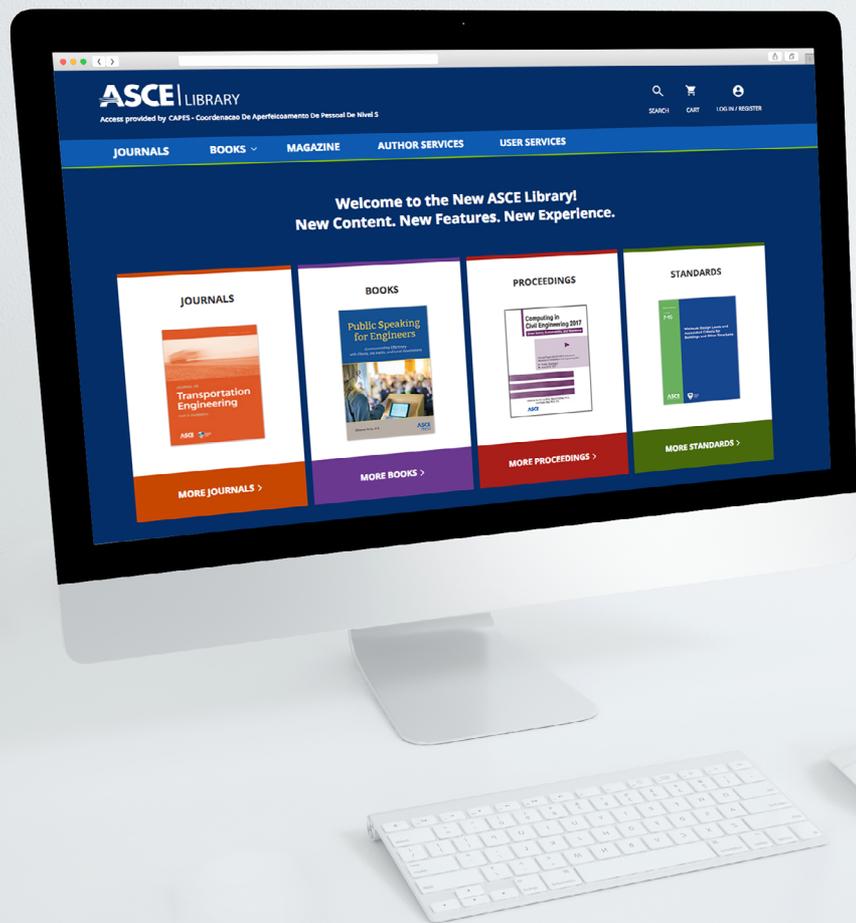
• Tutorial de **Acesso** •



# • American Society of Civil Engineers - **ASCE** .



Olá, eu sou a **Carol**  
e vou acompanhar vocês no **passo-a-passo** do  
**American Society of Civil Engineers - ASCE!**



Aqui vamos entender todo passo-a-passo de utilização do **American Society of Civil Engineers - ASCE**, para darmos início [clique aqui!](#)



# • Introdução ao **American Society of Civil Engineers (ASCE)** .



- **The American Society of Civil Engineers (ASCE) é um órgão sem fins lucrativos fundada em 1852 para representar os membros da profissão de engenharia civil em todo o mundo.**
  - **A ASCE é a maior editora mundial de informações de engenharia civil, sendo as publicações o maior produtor de receitas da ASCE.**
  - **A Divisão de Publicações produz 36 periódicos profissionais, trabalhos de conferência, normas, manuais de práticas, relatórios técnicos e monografias sob a impressão da ASCE Press.**
  - **O Site da ASCE hospeda a livraria da sociedade. Além disso, a publicação mantém a biblioteca on-line da ASCE, fornecendo acesso a todos os artigos de revistas publicadas desde 1983, todos os trabalhos da conferência desde 2000 e mais de 300 e-books e bem mais de 1 milhão de páginas de conteúdo.**
- 

# • Página Inicial •

A página inicial é dividida em três partes.

Primeiro a barra de navegação por conteúdo, no topo do site a lupa de pesquisa básica e abaixo uma outra área navegação por conteúdo.

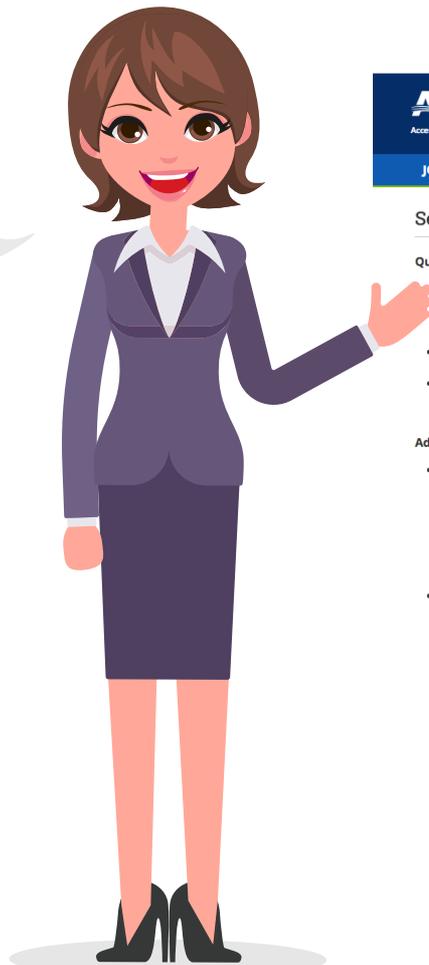


A screenshot of the ASCE Library homepage. The page has a dark blue header with the ASCE LIBRARY logo and the text "Access provided by CAPES - Coordenacao De Aperfeiçoamento De Pessoal De Nível S". In the top right corner, there are icons for search, cart, and user profile, with labels "SEARCH", "CART", and "LOG IN / REGISTER" below them. A hand from the right side of the image points to these icons. Below the header is a navigation bar with links for "JOURNALS", "BOOKS", "MAGAZINE", "AUTHOR SERVICES", and "USER SERVICES". The main content area features a welcome message: "Welcome to the New ASCE Library! New Content. New Features. New Experience." Below this are four columns, each representing a content category: "JOURNALS" (with a cover of "Transportation Engineering"), "BOOKS" (with a cover of "Public Speaking for Engineers"), "PROCEEDINGS" (with a cover of "Computing in Civil Engineering 2017"), and "STANDARDS" (with a cover of "Minimum Design Loads and Associated Criteria for Buildings and Other Structures"). A hand from the right side of the image points to the "STANDARDS" column. At the bottom of each column is a "MORE" link with a right-pointing arrow.

# • Pesquisa Avançada .

Utilizando a busca avançada (Advanced Search), é possível estreitar ainda mais os resultados.

Na área a esquerda da tela temos um guia de início rápido de pesquisa rápida e avançada, ao lado direito temos os campos de pesquisa condicional, por assunto, por referência e por data de publicação, facilitando assim a sua busca por melhores conteúdos.



## Search Tips

### Quick Search

searches against **Full Text, Titles/Subtitles, Abstracts, Authors, ISSN, ISBN, and DOI. Subject Headings** are only searchable using the *Topics* filter in Advanced Search.

- **combines multiple terms** by default (AND), so results will include all of your terms.
- **can be modified** with NOT, OR, and " " for exact phrases. The operators OR and NOT must be in upper case; otherwise they will be treated as stop words.

### Advanced Search

- Search terms in selected fields:
  - **"Anywhere"** searches against **Full Text, Titles/Subtitles, Abstracts, Authors, ISSN, ISBN, and DOI** (like Quick Search). **Subject Headings** are only searchable using the *Topics* filter.
  - **"Title"** searches against title and subtitle, including paper/article, chapter, and book titles.
  - **"Author"** searches against any author or editor.
- Filter search options to help further refine the search. You must submit a term on the **Anywhere** line in order to use these filters:

## ADVANCED SEARCH

Anywhere  +

Topics

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Publication Date

All dates

Last:

Custom range: Year  To: Year

# • Página Inicial de um Periódico .

Home / Journals / Journal of Aerospace Engineering



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## News

### EDITOR'S CHOICE

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- 1 Informações do periódico.
- 2 Publicações mais recentes.

# • Página Inicial de um Artigo •

The screenshot shows the ASCE Library interface. At the top, there is a navigation bar with 'ASCE LIBRARY' and 'Access provided by CAPES - Coordenacao De Aperfeiçoamento De Pessoal De Nivel S'. Below this is a secondary navigation bar with 'JOURNALS', 'BOOKS', 'MAGAZINE', 'AUTHOR SERVICES', and 'USER SERVICES'. A red banner indicates the current journal: 'Journal of Aerospace Engineering / Volume 30 Issue 6 - November 2017'. The article title is 'GPS-Based Real-Time Orbit Determination of Low Earth Orbit Satellites Using Robust Unscented Kalman Filter'. The authors listed are Mahmut Onur Karslioglu, Eren Erdogan, and Onur Pamuk. The abstract describes a novel algorithm for real-time orbit determination (RTOD) using a robust unscented Kalman filter (RUKF) with global positioning system (GPS) and phase ionospheric correction (GRAPHIC) observables. The authors' contact information and a DOI link are also provided.

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## GPS-Based Real-Time Orbit Determination of Low Earth Orbit Satellites Using Robust Unscented Kalman Filter

Mahmut Onur Karslioglu; Eren Erdogan; and Onur Pamuk

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### Abstract

In this research, a novel algorithm for real-time orbit determination (RTOD) is presented using the robust unscented Kalman filter (RUKF) with global positioning system (GPS) group and phase ionospheric correction (GRAPHIC) observables. To increase the reliability of the solution, a robust approach is included in the UKF to cope with the bad, invalid, or degraded measurements leading to the divergence or inaccurate output of the filter. Robustness is provided by making the filter less sensitive to faulty measurements using a scale matrix that is multiplied with the covariance matrix of the observation noises. Real data collected during a massive solar storm are used in the algorithm. For external validation, the outputs of RUKF and classical UKF are compared with the precision orbit ephemerides of the Challenging Minisatellite Payload (CHAMP). The results show that RUKF slightly outperforms classical UKF and possesses the capability to be used as an efficient and reliable algorithm in case of bad observations or malfunctioning of the

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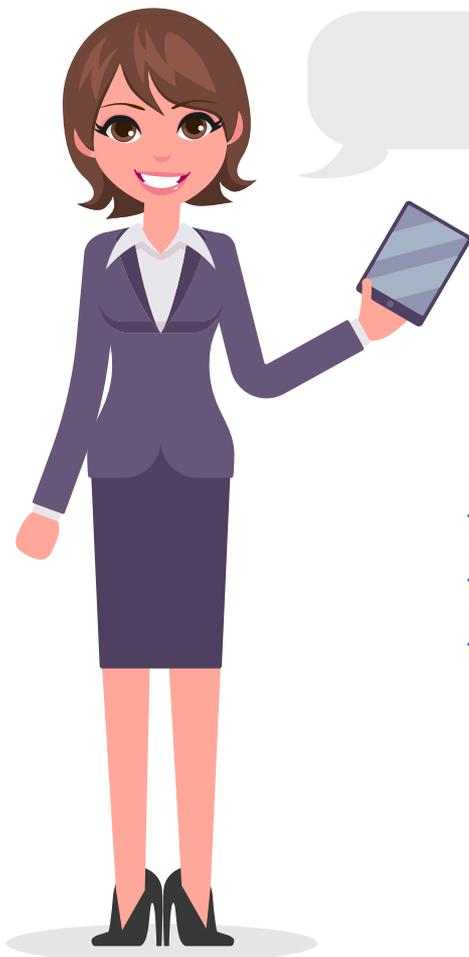
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- 2 Barra de Ferramentas.
- 3 Abstract.
- 4 Outras informações.



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