

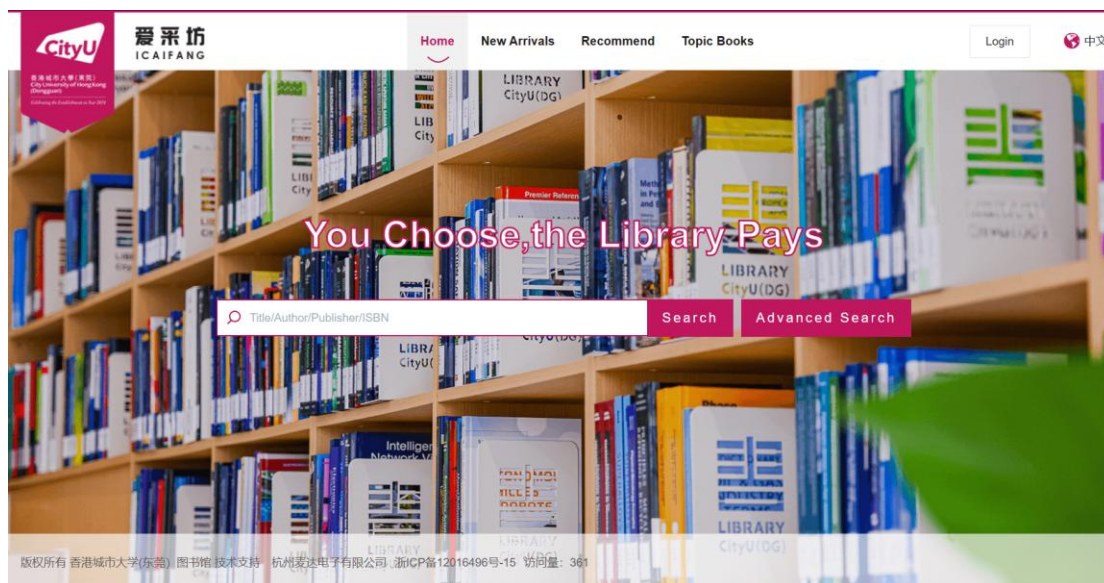
User Guides of “ICAIFANG” Book Recommendation Platform

1. Login

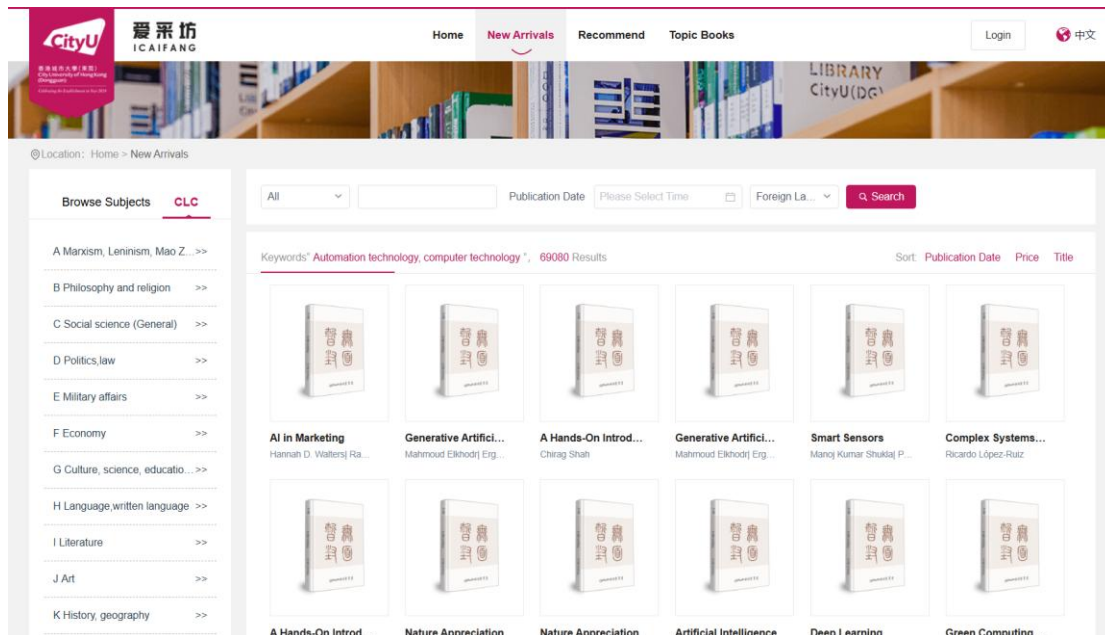
Visit <https://cityu-dg.icaifang.cn/>, and log in using unified identity authentication in the upper right corner.

2. Recommendation Process

- 1) Search and Recommend: Search by ISBN, title, author, and publisher to find the books you wish to recommend.



- 2) Select from the New Arrival: Select newly published books by discipline and classification number, allowing you to browse and recommend your favorite books online.



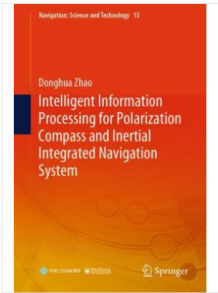
- 3) Direct Recommendation: If you cannot find the books that you wish to recommend from the above search results, you can fill out the online form to make a recommendation.

3. Submit Recommendation

- 1) Search or browse book details. If the book is already in the library's collection, the system will display its availability, and the "Recommend" button will appear grayed

out.

- 2) If the book is not in the collection, click "Recommend", fill in the recommendation reason, and submit the request.



Intelligent Information Processing for Polarization Compass and Inertial Integrated Navigation System

Physical Collections 0

Translation: 极化罗盘与惯性组合导航系统的智能信息处理
丛书名: Navigation: Science and Technology
Publisher: Springer
Publication Date: 2024-01
CLC: TP2
Format: 16 x 1.3 x 24.1 cm
Bindings: Hardcover
Language: eng
Recommend Status: Available

ISBN: 9789819771349
Author: Zhao, Donghua
Currency: USD
Price: **169.99**
Pages: 123

Recommend

Description

About the author Catalog

This book systematically elaborates on the intelligent information processing technology for a bioinspired polarization compass and inertial integrated navigation system. It consists of three parts. Firstly, the research background and significance of intelligent information processing technology for a bioinspired polarization compass are introduced. It analyzes the research status, development trends, and comparisons with foreign countries in the field of orientation methods based on atmospheric polarization patterns. The processing methods of the orientation error for a bioinspired polarization compass and integrated system information processing are also covered. Subsequently, the noise components of a bioinspired polarization compass and the impact of noise on its directional accuracy are discussed. It also introduces the denoising and orientation error compensation technique based on intelligent algorithms such as multi-scale principal component analysis and multi-scale adaptive time-frequency peak filtering. The third part focuses on the application of cubature Kalman filter and their improvement methods in seamless combination orientation systems based on a bioinspired polarization compass. A seamless combination orientation model under discontinuous observation conditions is proposed and a discontinuous observation algorithm based on neural networks is designed.

Related Books

- Motion Planning for Mobile Robots**
Author: Xiangrong Xu, Yang Yang and Siyu Pan
Publisher: IntechOpen
- Stabilization Control for the Giant Swing Motion of the Horizontal Bar Gymnastic Robot Using Delayed Feedback Control**
Author: Dasheng Liu
Publisher: IntechOpen
- 数字原理与设计(双语版教材)**
Author: (美)吉沃恩|译者 罗峰/汪玉/刘勇攀
Publisher: 清华大学出版社
- Design of a Tactile Sensor for Robot Hands**
Author: Giorgio Cannata, Marco Maggiali
Publisher: IntechOpen
- Flight Dynamics Modelling and Experimental Validation for Unmanned Aerial Vehicles**
Author: X.G. Chen; Q. Ou, D. R. Wong, Y. J. Li; M. Sinclair; A. Marburg
Publisher: IntechOpen

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Title: Intelligent Information Processing for Polarization Compass and Inertial Integrated Navigation System

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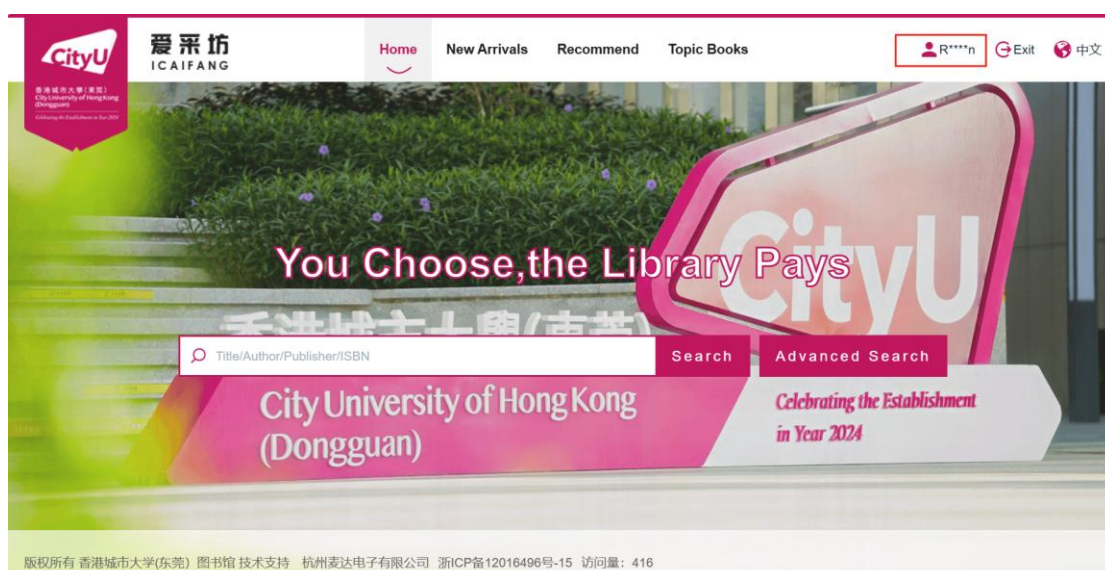
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4. Track Recommendation

After the library reviews your recommendation, you will receive an email notification.

You can also check the latest status in your account.

1) Click your username in the top-right corner to access your account information.



2) Update Information: Ensure your email address is correct to receive feedback email.

3) My Recommend: Check the latest processing status of recommended books.

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City University of Hong Kong

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