

### Announcement of a Webinar on SWEBOK 4th Edition Content and Usage

The Guide to the Software Engineering Body of Knowledge (SWEBOK Guide), published by the IEEE Computer Society (IEEE CS), reflects the current state of generally accepted, consensus-driven knowledge derived from the interaction between software engineering theory and practice. It summarizes key concepts across 18 knowledge areas (KAs) and includes a reference list for in-depth study. The latest version of the SWEBOK Guide V4 introduces new topics, updates existing ones, and retires outdated subjects. Agile and DevOps have been notably integrated into several KAs due to their widespread adoption since the previous edition. Additionally, three new knowledge areas - Software Architecture, Software Engineering Operations, and Software Security - have been added to enhance the foundational knowledge in software engineering. The new Guide also aims to better align related disciplines by reorganizing and renaming some content within different knowledge areas. To celebrate the publication of the SWEBOK Guide V4 in 2024, the SWEBOK editing team led by IEEE-CS President-Elect Hironori Washizaki will hold a series of webinars to introduce the guide. Notably, the editors who have edited knowledge areas will briefly explain each corresponding knowledge area's essence and major updates directly.

[Link to IEEE CS SWEBOK](#)

#### **SWEBOK V4 Webinar Dates and Scope:**

##### **1. 26 September, 1:00 AM - 3:00 AM UTC / 26 September, 10:00 AM~12:00 PM JST**

The first webinar provides an overview of the SWEBOK Guide V4 and introduces major software development knowledge areas, from requirements to construction.

**Scope:** Introduction, Software Requirements (Chapter 1), Software Architecture (Chapter 2), Software Design (Chapter 3), Software Construction (Chapter 4)

**Panelists (subject to change):** Hironori Washizaki (Waseda University), Steve Tockey (Construx Software), Rich Hilliard, Steve Schwarm (Synopsis - Black Duck Software)

#### **Presentation Materials:**

- Part1. [Slides of Opening](#), [Opening Recording](#)
- Part2. [Slides of Introduction](#), [Introduction Recording](#)
- Part3. [Slides of Chapter 1](#), [Chapter 1 Recording](#)
- Part4. [Slides of Chapter 2](#), [Chapter 2 Recording](#)
- Part5. [Slides of Chapter 3](#), [Chapter 3 Recording](#)
- Part6. [Slides of Chapter 4](#), [Chapter 4 Recording](#)

##### **2. 23 October, 2:00 PM - 4:00 PM UTC / 23 October, 11:00 PM~01:00 AM JST**

The second webinar introduces major software testing, operations, maintenance, and management knowledge areas.

**Scope:** Software Testing (5), Software Maintenance (7), Software Configuration Management (8), Software Engineering Management (9)

**Panelists (subject to change):** Hironori Washizaki (Waseda University), Eda Marchetti (ISTI-CNR, Italy), Said Daoudagh (ISTI-CNR, Italy), Francis Bordeleau (École de technologie supérieure (ÉTS), Canada), Maria Isabel Sánchez Segura (Universidad Carlos III de Madrid, Spain), Kenneth E. Nidiffer (George Mason University, USA), Alain April (Professor, École de technologie supérieure (ÉTS), Canada)

### **3. 27 November 1:00-3:00 UTC / 27 November, 10:00 AM~12:00 PM JST**

The third webinar introduces major software engineering models and methods, quality and professional practice knowledge areas as well as related standards.

**Scope:** Software Engineering Models and Methods (11), Software Quality (12), Software Security (13), Software Engineering Professional Practice (14), IEEE and ISO/IEC Standards Supporting SWEBOK (Appendix B);

**Panelists:** Hironori Washizaki (Waseda University), Eiji Hayashiguchi (Waseda University)

### **4. 9 December, 2:00 PM - 4:00 PM UTC / 9 December, 11:00 PM~01:00 AM JST**

The fourth webinar introduces major software engineering processes, economics, and foundation knowledge areas.

**Scope:** Software Engineering Process (10), Software Engineering Economics (15), Computing Foundations (16), Mathematical Foundations (17), Engineering Foundations (18)

**Panelists:** Hironori Washizaki (Waseda University), Juan Garbajosa (Universidad Politécnica de Madrid), Maria Isabel Sánchez Segura (Universidad Carlos III de Madrid, Spain), Yatheendranath 'Yathi' TJ (DhiiHii Labs Private Limited), Steve Tockey (Construx Software)

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**Webinar Format :** Zoom

**Registration Fee :** Free

**Organizer:** [IEEE Computer Society](#)

**Inquiries:** IEEE Japan Office at [ieee-japan@ieee.org](mailto:ieee-japan@ieee.org)

**Registration Link :** Please secure your schedule right [HERE](#) and join us! You will receive a Zoom Link later.

#### **Links:**

Registration URL :

[https://docs.google.com/forms/d/1T97hBRzysi-CkRnYyMEZ4Nvs\\_TNjKI7YefdoO-FvHX8/viewform?edit\\_requested=true](https://docs.google.com/forms/d/1T97hBRzysi-CkRnYyMEZ4Nvs_TNjKI7YefdoO-FvHX8/viewform?edit_requested=true)

IEEE Computer Society (IEEE CS):

<https://www.computer.org/>

Software Engineering Body of Knowledge (SWEBOK Guide):

<https://www.computer.org/education/bodies-of-knowledge/software-engineering>

#1 Presentation Material Links:

Part1. Slides of Opening,

[https://drive.google.com/file/d/1YluJGVyp306dJislEMfPsCBaisoxbmQV/view?usp=drive\\_link](https://drive.google.com/file/d/1YluJGVyp306dJislEMfPsCBaisoxbmQV/view?usp=drive_link)

Opening Recording

<https://waseda.box.com/v/swebok-webinar-opening>

Part2. Slides of Introduction,

[https://drive.google.com/file/d/1kZHnNhYpmhMhqPNic8xpneqO2Untn0Xj/view?usp=drive\\_link](https://drive.google.com/file/d/1kZHnNhYpmhMhqPNic8xpneqO2Untn0Xj/view?usp=drive_link)  
Introduction Recording  
<https://waseda.box.com/v/swebok-webinar-introduction>

Part3. Slides of Chapter 1,  
[https://drive.google.com/file/d/1trpUfqZB0vRUwrw55LTfTmQ559Q-UnEt/view?usp=drive\\_link](https://drive.google.com/file/d/1trpUfqZB0vRUwrw55LTfTmQ559Q-UnEt/view?usp=drive_link)  
Chapter 1 Recording  
<https://waseda.box.com/v/swebok-webinar-c1-requirements>

Part4. Slides of Chapter 2,  
[https://drive.google.com/file/d/1VEbiCs-KOGuglzL4k7knCxc6bo1CjWpT/view?usp=drive\\_link](https://drive.google.com/file/d/1VEbiCs-KOGuglzL4k7knCxc6bo1CjWpT/view?usp=drive_link)  
Chapter 2 Recording  
<https://waseda.box.com/v/swebok-webinar-c2-architecture>

Part5. Slides of Chapter 3,  
[https://drive.google.com/file/d/1NXiAwm4zzotVQfVwUoNTZGK2zx9p3KGB/view?usp=drive\\_link](https://drive.google.com/file/d/1NXiAwm4zzotVQfVwUoNTZGK2zx9p3KGB/view?usp=drive_link)  
Chapter 3 Recording  
<https://waseda.box.com/v/swebok-webinar-c3-design>

Part6. Slides of Chapter 4,  
[https://drive.google.com/file/d/1kgb30PsENj6ISgZdtFcr0DQVz8Pq6YKp/view?usp=drive\\_link](https://drive.google.com/file/d/1kgb30PsENj6ISgZdtFcr0DQVz8Pq6YKp/view?usp=drive_link)  
Chapter 4 Recording  
<https://waseda.box.com/v/swebok-webinar-c4-construction>