

TTC標準化人材育成オンラインセミナー
「国際標準化を活用した研究活性化
～事例とノウハウ～」

研究に役立つ国際標準化の情報

2024年2月28日

金沢工業大学 工学部
教授 横谷 哲也

本日の講演内容

1. はじめに
2. 標準化関連情報の研究への活用
3. 関連情報のソースとアクセス方法
4. 標準化に基づく研究発表の場

1. はじめに

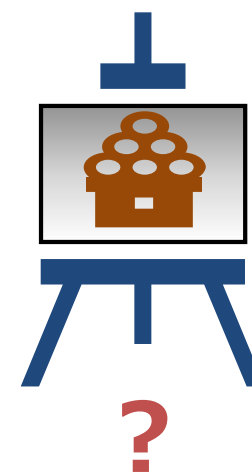
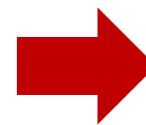
- 標準化の情報はクローズ?
- 大学が入手するのか障壁が高い?
- コスパが悪い?

Industry engineering



Academic research

Standardization



1. はじめに

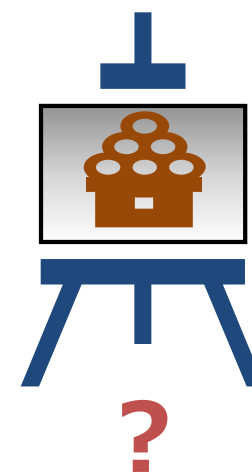
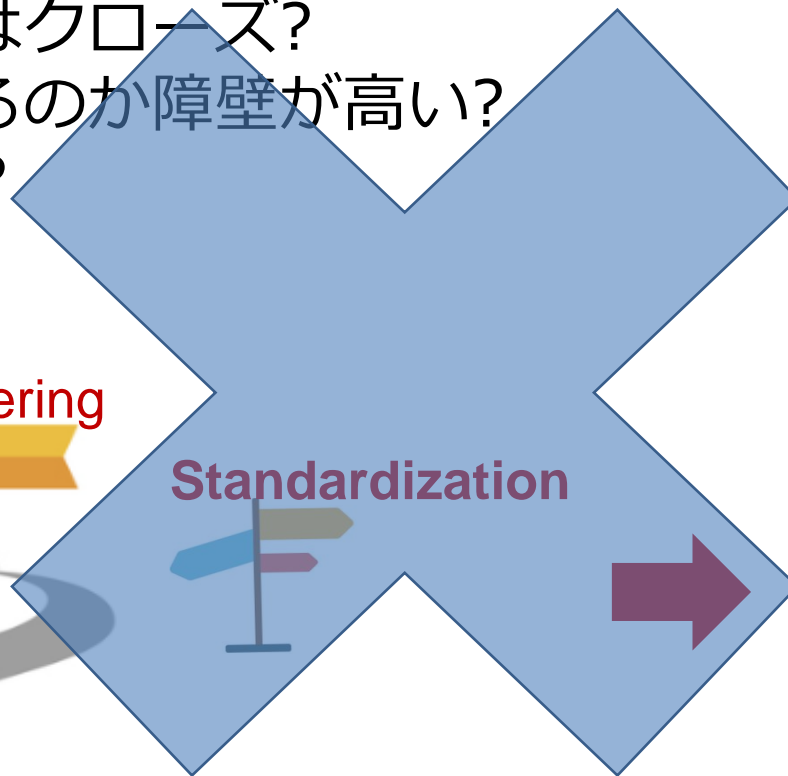
- 標準化の情報はクローズ?
- 大学が入手するのか障壁が高い?
- コスパが悪い?

Industry engineering



Academic research

Standardization



役立つ情報が一杯!!
ほとんどが無料或いは廉価!!

2. 標準化関連情報の研究への活用

- 産業界の方向性を知る上で有益な手段
- 産業界へのタイムリーな貢献を行うための共通言語
- 研究計画立案(論文のネタ抽出)の手段

将にこれ!!

Industry engineering



Standardization



Academic research

3. 関連情報のソースとアクセス方法

関連情報の総括

	Procedure for membership	Non restrict events	Opened information
ISO	<ul style="list-style-type: none">Country base		<ul style="list-style-type: none">White paper
IEC	<ul style="list-style-type: none">Country base	<ul style="list-style-type: none">Capacity building	<ul style="list-style-type: none">White paper
ISO/IEC JTC1	<ul style="list-style-type: none">Country base		<ul style="list-style-type: none">White paper
ITU	<ul style="list-style-type: none">Accademia member procedure	<ul style="list-style-type: none">Focus GroupWorkshopInternshipConference (Kaleidoscope)	<ul style="list-style-type: none">Materials of non restrict eventsAll recommendationsStatics data



3. 関連情報のソースとアクセス方法

White paperの例: IECのWhite paper カタログ



IEC White Papers
& Technology Reports

About the IEC	3
Safety in the future	5
Semantic interoperability: challenges in the digital transformation age.....	6
Cyber security and resilience guidelines for the smart energy operational environment	7
Artificial intelligence across industries	8
Stable grid operations in a future of distributed electric power	9
Edge intelligence	10
LVDC: electricity for the 21 st century	11
Global energy interconnection	12
IoT 2020: Smart and secure IoT platform	13
Factory of the future	14
Strategic asset management of power networks	15
Orchestrating infrastructure for sustainable Smart Cities	16
Internet of Things: Wireless Sensor Networks	17
Microgrids for disaster preparedness and recovery	18
Nanotechnology in the sectors of solar energy and energy storage.....	19
Grid integration of large-capacity Renewable Energy sources and use of large-capacity	
Electrical Energy Storage.....	20
Electrical Energy Storage.....	21
Coping with the Energy Challenge	22

3. 関連情報のソースとアクセス方法

ITU-T関連情報

SG2 - Operational aspects

- ▶ About SG2

SG3 - Economic & policy issues

- ▶ About SG3

SG5 - Environment, EMF & circular economy

- ▶ About SG5

SG9 - Broadband cable & TV

- ▶ About SG9

SG11 - Protocols, testing & combating counterfeiting

- ▶ About SG11

SG12 - Performance, QoS & QoE

- ▶ About SG12

SG13 - Future networks

- ▶ About SG13

SG15 - Transport, access & home

- ▶ About SG15

SG16 - Multimedia & digital technologies

- ▶ About SG16

SG17 - Security

- ▶ About SG17

SG20 - IoT, smart cities & communities

- ▶ About SG20

3. 関連情報のソースとアクセス方法

FG-CD

ITU-T Focus Group on cost models for affordable data services (FG-CD)

(in operation since 2023-03)

FG-MV

ITU-T Focus Group on metaverse (FG-MV)

(in operation since 2022-12)

FG-TBFxG

ITU-T Focus Group on Testbeds Federations for IMT-2020 and beyond (FG-TBFxG)

(in operation since 2021-12)

FG-AI4A

ITU-T Focus Group on Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture (FG-AI4A)

(in operation since 2021-10)

FG-AN

ITU-T Focus Group on Autonomous Networks (FG-AN)

(in operation since 2020-12)

3. 関連情報のソースとアクセス方法

ITU Workshop on "Telecommunication Service Quality"

YOU ARE HERE ITU > HOME > ITU-T > WORKSHOPS AND SEMINARS > ITU WORKSHOPS ON QOS/QOE > MARCH 2024



ITUEvents

Workshop on telecommunication service quality

4 - 5 March 2024
Maputo, Mozambique

itu.int/go/quality2024

The banner features a dark blue background with a smartphone on the right side. The phone screen displays a graphic of a communication tower with signal waves and five yellow stars above it. The text is white and yellow.



Future Networked Car Symposium

Achieving connected, automated and safe mobility

Fully virtual
11-14 March 2024

[LEARN MORE](#) ▾

The banner shows a man in a suit sitting at a desk with a laptop, viewed from behind. The background is a blurred office setting. The text is white and yellow.

4. 標準化に基づく研究発表の場

Google Scholar

Standardization network tutorial



記事

約 17,000 件 (0.10 秒)

期間指定なし

2024 年以降

2023 年以降

2020 年以降

期間を指定...

関連性で並べ替え

日付順に並べ替え

すべての言語

英語 と 日本語のページを検索

すべての種類

総説論文

[A Concise Tutorial on Traffic Shaping and Scheduling in Time-Sensitive Networks](#)

[J Walrand](#) - [IEEE Communications Surveys & Tutorials](#), 2023 - [ieeexplore.ieee.org](#)

... This paper is a **tutorial** on existing **standards** and, as such, does not intend to make original contributions. Nevertheless, the definition of CBS+, the description of ATS, the simple ...

☆ 保存 引用 被引用数: 3 関連記事

[Standardization of Extended Reality \(XR\) over 5G and 5G-Advanced 3GPP New Radio](#)

[M Gapeyenko](#), [V Petrov](#), [S Paris](#), [A Marcano](#)... - ... [Network](#), 2023 - [ieeexplore.ieee.org](#)

... with computers, **networks**, and each other. However, efficient support of XR services imposes new challenges for existing and future wireless **networks**. This article presents a **tutorial** on ...

☆ 保存 引用 被引用数: 4 関連記事

[A Survey on Controller Area Network Reverse Engineering](#)

[A Buscemi](#), [I Turcanu](#), [G Castignani](#)... - ... [Surveys & Tutorials](#), 2023 - [ieeexplore.ieee.org](#)

4. 標準化に基づく研究発表の場

15TH ITU ACADEMIC CONFERENCE

ITUKALEIDOSCOPE NEW DELHI 2024

*Innovation and digital transformation
for a sustainable world*

21-23 October 2024
New Delhi, India

IMPORTANT DEADLINES

- ▶ Submission of full paper proposals: **29 April 2024**
- ▶ Notification of paper acceptance: 12 July 2024
- ▶ Submission of camera-ready accepted papers: 2 August 2024

4. 標準化に基づく研究発表の場

ITU Journal

Future and evolving technologies

FREE | FAST | FOR ALL

frameworks, the economy and society. This application, and stimulates international dialog interest and explores the convergence of ICT with

The ITU Journal on Future and Evolving Technologies (ITU J-FET) is an international journal providing complete coverage of all communications and networking paradigms, free of charge for both readers and authors. The ITU Journal considers yet-to-be-published papers addressing fundamental and applied research. It shares new techniques and concepts, analyses and tutorials, as

ITU Journal

Future and evolving technologies

FREE | FAST | FOR ALL

4th special issue

AI and machine learning solutions in 5G and future networks



4. 標準化に基づく研究発表の場



IEEE Conference on Standards for Communications and Networking
6-8 November 2023 // Munich, Germany



HOME

ABOUT

COMMITTEES

AUTHORS

PROGRAM

REGISTRATION

HOTEL / TRAVEL

PATRONS / EXHIBITORS

Search



Information for Authors – Accepted Papers-Demos-Posters

Call for Demos and Posters

Call for Papers

御静聴ありがとうございました

問い合わせ先

yokotani@neptune.kanazawa-it.ac.jp