

# FSAEJ Design Judges to Teams

2022.04.18

Design Judges

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1."Design Report"から "Design Briefing"へ

2.Design Briefingの言語

1. "Design Report"から"Design Briefing"へ

# 1. "Design Report"から"Design Briefing"へフォーマット変更の意図

皆さんご存じの通り、Formula SAE® Rules 2022ではこれまでのDesign ReportがDesign Briefingに変更されました。

その意図は、

『実社会で使われているフォーマットに変更し、 資料作成のスキルを身に付けることを期待する』

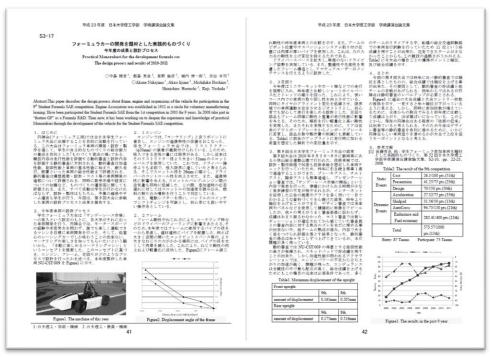
です。

#### 1. "Design Report"から"Design Briefing"へ Design Reportのフォーマット

Design Reportのフォーマットは、学術論文の形式でした。 主に文章とそれを補助する図表やグラフを用いた資料です。

世界中で広く知られている資料の形式であり、理工学者として身に付けるべきフォーマット、まとめ方だと思います。

文章とそれを補助する図表を読むことにより、筆者の伝えたいことを理解することができる資料と言えます。



https://www.cst.nihon-u.ac.jp/research/gakujutu/55/pdf/S3-17.pdf

#### 1. "Design Report"から"Design Briefing"へ Design Briefingのフォーマット

Design Briefing(以下、DB)のフォーマットはスライド形式

**主体**:図表やグラフ等のデ**ータ** 

<u>→</u>文章は目的に応じて<u>最小限</u>に

目的の例	文章や文字の使い方の例
プレゼンテーション用スライド	重要なメッセージ、要点、結論等 ※主な <u>説明は口頭</u> 、 <b>視覚的に</b> 伝えたいことに集中した資料。
配布資料用スライド	上記+繋がりの説明、資料の流れを補う ※ <u>資料のみで理解ができる</u> ように文章で補助する。 但し、口頭で説明するような内容、文章にしない。

資料を<u>見る</u>ことにより短時間で効率的に理解できる資料

#### 1. "Design Report"から"Design Briefing"へ Design Briefingへの期待

『Design審査はDesign Review、提出するDBは配布資料!』

DBは最大で98ページ 🔷 少ない量の資料ではない

"図表やグラフを効果的に活用し理解できた内容"="採点対象"



- ・短時間で<u>効率よく</u>伝える:理解度/時間
- ・<u>要点</u>がわかり易い・読み手側になる = **伝わる資料**
- ・"情報量が多い"は**必ずしも**良い資料では**ない**

### 2. Design Briefingの言語

#### 2. Design Briefingの言語 DB英語化の意図

『日本だけでなく、世界で活躍する人材になって欲しい!』

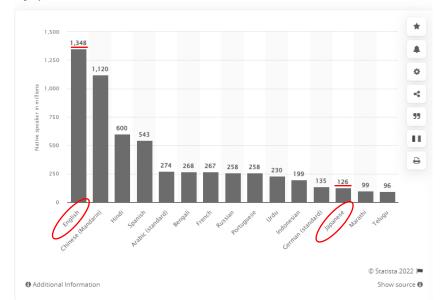
世界共通言語は『英語』であり、エンジニアの世界でも同じ。 FSAEJデザイン審査として英語を使う機会を創る。

英語のDBで海外大会のOnline審査の参加も可能。

The most spoken languages worldwide in 2021 (by speakers in millions)

→英語が使えることで更にチャンスが拡がる! 長年FSAEに関わってきたベテラン審査員 海外企業のエキスパートと話せる機会

英語を話す人の数は日本語を話す人の10倍以上!



#### 2. Design Briefingの言語 英語がもたらす機会

There are further information and discussion groups like overseas event homepages, seminars, Youtube and so on.

Thus, if you cannot communicate in English, information and opportunities would be less than 1/10.

### Expand your potential!!!



Design event FSAEJ2022



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1.From "Design Report" to "Design Briefing"

2. Language of Design Briefing

# 1. From "Design Report" to "Design Briefing"

### 1. From "Design Report" to "Design Briefing" Intention of format change

As all you know, Design Report is changed to Design Briefing in Formula SAE® Rules 2022.

The purpose is,

"Change to the format which is used in real businesses and expect teams to learn how to build the documents".

### 1. From "Design Report" to "Design Briefing" Format of Design Report

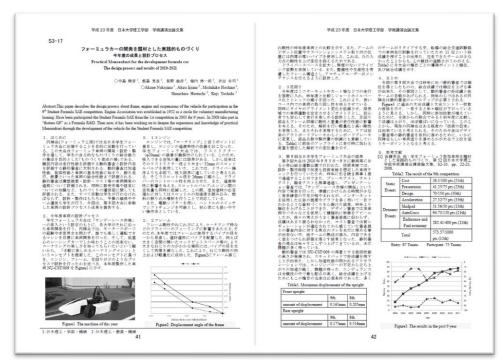
Design Report was in a format of technical papers.

It is a document composed of sentences mainly and

figures/charts as supports.

It would be understood as a widely known format of documents, and it should be learned as an engineer.

It can be said as a document to understand what a writer would like to tell by reading sentences and support materials.



https://www.cst.nihon-u.ac.jp/research/gakujutu/55/pdf/S3-17.pdf

### 1. From "Design Report" to "Design Briefing" Format of Design Briefing

Design Briefing; DB is in a format of slides.

Main: Data such as figures, graphs, charts etc.

Sentences are minimally used depending on purpose.

Purpose example	Usage of sentences and words as examples
Slides for presentation	Important messages, summary, conclusion etc. **Main explanation by verbal, focusing on <b>visual</b> expressions
Slides for distributed document	Points above + explaining connections, supporting a stream of documents  **Sentences support document to be understood only by documents itself.  Thus, sentences should not be like what you say in a presentation.

Document to be understood efficiently by "looking" on it.

## 1. From "Design Report" to "Design Briefing" Expectation on Design Briefing

#### "Design judge is Design Review, submitted DB is distributed material!"

DB has 98 pages in max Not a small amount document "Understood contents efficiently by figures and graphs= scored area"



- · Be understood in a short time efficiently: Level of understanding/time
- Simple and easy <u>summary</u>, <u>reader-friendly</u> = Understandable document.
- "A lot of information" is not always good.

### 2. Language of Design Briefing

# 2. Language of Design Briefing Intention of DB in English

### "Want you to become an engineer who can play an active role not only in Japan but also all over the world"

The world common language is "English", and it is the same in engineering society.

FSAEJ Design Event gives an opportunity to use English.

DB in English can be judged in online events of overseas competitions.

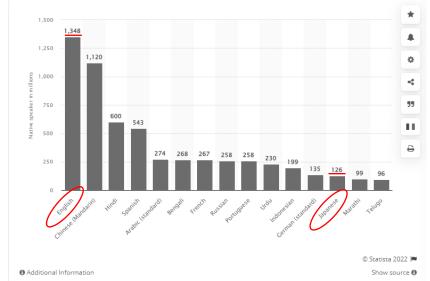
→English skill gives more opportunities!

Judges with many experiences in FSAE

Opportunity to talk with overseas experts

Population of English speakers are more than 10 times of that of Japanese speakers! https://www

The most spoken languages worldwide in 2021 (by speakers in millions)



https://www.statista.com/statistics/266808/the-most-spoken-languages-worldwide/

# 2. Language of Design Briefing Opportunities given by English

There are further information and discussion groups like overseas event homepages, seminars, Youtube and so on.

Thus, if you cannot communicate in English, information and opportunities would be less than 1/10.

### Expand your potential!!!



Design event FSAEJ2022