

FACE IMAGE QUALITY WORKSHOP

NOV 7TH 2023 - NOV 9TH 2023



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Technologies for Inclusion

FACE IMAGE QUALITY WORKSHOP

What can we learn from the NIST FATE SIDDD submissions, how can they be transferred to OFIQ?

Patrick Grother
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PANEL DISCUSSION 09.11.2023

FACE IMAGE QUALITY WORKSHOP

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Q&A

PANEL DISCUSSION 09.11.2023

For Patrick

What is the NIST FATE SIDDD, what is its purpose and how does it relate to ISO/IEC 29794-5?

PANEL DISCUSSION:

What can we learn from the NIST FATE SIDDD submissions, how can they be transferred to OFIQ?

For Patrick

We would wish to have the best SIDD performing algorithms to be contained in the reference implementation OFIQ.

How can industry be motivated to contribute?

PANEL DISCUSSION:

What can we learn from the NIST FATE SIDD submissions, how can they be transferred to OFIQ?

How can we ensure that quality assessment algorithms are predictive for all/many FRS and not only for one or few ?

PANEL DISCUSSION:

What can we learn from the NIST FATE SIDD submissions, how can they be transferred to OFIQ?

For Rein

Are the costs of "lost market share" not small compared to the gain for better operational performance?

PANEL DISCUSSION:

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For Patrick

Innovation in academia and industry may bring new algorithms soon.

Launching a OFIQ2 project after completion of OFIQ1 in Summer 2024 and a revision project for ISO/IEC 29794-5:2024 could lead to update of both the standard and the reference implementation in 2027.

Is that a good time plan?

PANEL DISCUSSION:

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For Rein, Johannes

**Quality algorithms apply to face capturing in different use cases
(controlled station versus mobile):**

**What kind of predictive performance can we expect for different
use cases?**

PANEL DISCUSSION:

**What can we learn from the NIST FATE SIDD submissions,
how can they be transferred to OFIQ?**

For Johannes

What kind of predictive performance is needed for different use cases?

PANEL DISCUSSION:

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For Patrick

What kind of performance do we expect from the reference algorithm (OFIQ)?

How can it be assured that the unified quality score relates to the FNMR?

PANEL DISCUSSION:

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For Rein

What else should be tested beyond NIST FATE SIDDD? For instance a presentation attack by presenting a sample of poor quality (concealer attack) and prevent detection of a duplicate.

Is more testing needed?

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For Johannes, Rein

MAD is important: Will morphing attack detection be more successful, if a good quality of face images is ensured?

PANEL DISCUSSION:

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For Johannes, Patrick

Which quality components are most relevant for FRS performance?

PANEL DISCUSSION:

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