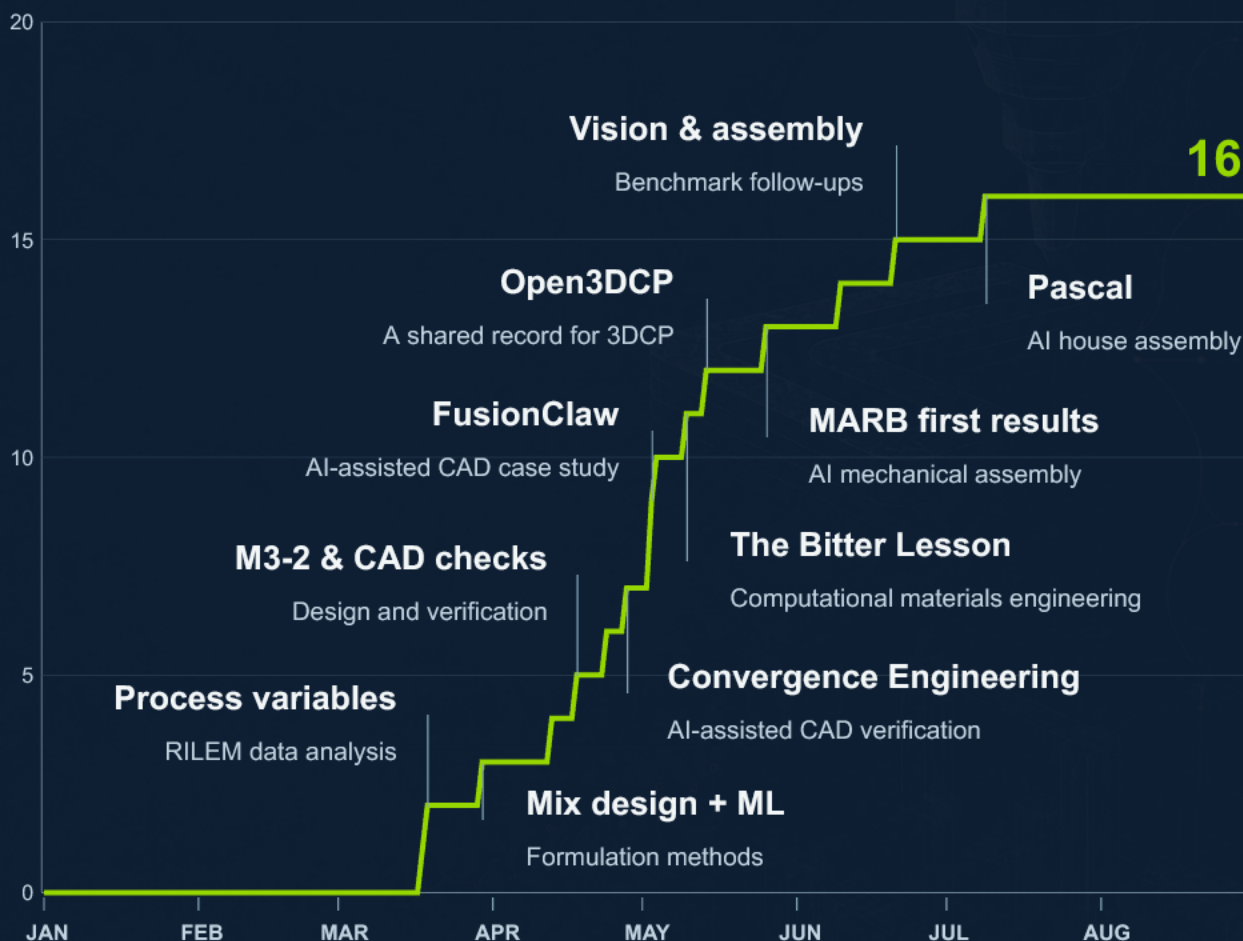


SUNNYDAY TECHNOLOGIES

Technical articles, shared openly

16 TECHNICAL ARTICLES & PAPERS / JAN–AUG 2026

CUMULATIVE PUBLICATIONS



Selected titles shown / Full reading list accompanies the graphic

Responses and recommendations welcome

Self-published writing / January–August 2026

Technical reading list

JANUARY-AUGUST 2026

A01 / 2026-03-18 / Technical article

Why the Loop Matters: Process Variables Are Not Noise

Interpreting process context in interlaboratory concrete-printing data.

[Read online](#)

A02 / 2026-03-19 / Technical article

3D Concrete Printing Process Control: What 30 Labs Reveal

A discussion of process variables and reported concrete-printing outcomes.

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A03 / 2026-03-30 / Technical article

Why Concrete 3D Printing Mix Design Demands Machine Learning Formulation Tools

Data requirements and machine-learning approaches to mix formulation.

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A04 / 2026-04-13 / Technical article

M3-2: Full CAD Release

An open printer design, its parametric CAD and engineering choices.

[Read online](#)

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A05 / 2026-04-18 / Technical article

Will AI replace \$10k CAD Assembly Check Licenses With 500 Lines of Open-Source Python.

Geometric checks and a Python testing framework for CAD assemblies.

[Read online](#)

A06 / 2026-04-24 / Technical article

Will AI-generated CAD outrun V&V?

The verification gap surrounding AI-generated geometry.

[Read online](#)

A07 / 2026-04-28 / Working paper

Convergence Engineering

Evidence and verification in AI-assisted CAD development.

[Read online](#)

A08 / 2026-05-03 / Technical article

FusionClaw - Designing a Lobster Claw in Autodesk Fusion 360 from Claude Chat

A lobster-claw modelling case study using a conversational CAD interface.

[Read online](#)

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A09 / 2026-05-03 / Technical article

We Print Shells!

A concept article on printed shells, cavities and building systems.

[Read online](#)

A10 / 2026-05-04 / Technical article

Performance-Based Specifications in Architecture: A Complete Guide for Design Professionals

Defining measurable outcomes in architectural specifications.

[Read online](#)

A11 / 2026-05-10 / Technical article

The Bitter Lesson

An essay on computational methods in materials engineering.

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A12 / 2026-05-14 / Working paper

Open3DCP: A Public Data Schema for 3D Concrete Printing

Recording material composition, printing context, test results and provenance.

[Read online](#)

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JANUARY-AUGUST 2026

A13 / 2026-05-26 / Technical article

How well can AI assemble a machine? The first benchmark results.

A company-authored benchmark of AI-assisted component assembly.

[Read online](#)

A14 / 2026-06-10 / Technical article

Tested: Fable 5 (Mythos) for CAD Mechanical Assembly Readiness Benchmark

A mechanical-assembly benchmark examining model effort settings.

[Read online](#)

A15 / 2026-06-21 / Technical article

We Tested local AI models using Vision for Mechanical Assembly... and it got worse (?)

A comparison of local vision and text approaches to CAD assembly.

[Read online](#)

A16 / 2026-07-09 / Technical article

Can AI Build a House? Benchmarking Pascal

A benchmark of AI-assisted house assembly in Pascal.

[Read online](#)