

The Readable Middle: Consense, and the Defences (SHaDS™) That Guard a Mind's Gaps

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A psychotherapist's account of the layer a language model has just made visible — and what that layer does when it cannot honestly fill a gap.

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Abstract

In July 2026, Anthropic introduced the *Jacobian lens (J-lens)*, an interpretability technique that reads a privileged intermediate layer of a language model — a "global workspace" of representations the model is poised to verbalise but has not yet spoken. For the first time, the hidden middle of a machine's processing, between its automatic computation and its produced words, can be read directly. This paper offers two contributions from outside the AI research community. First, it names that layer. Every attempt to describe it reaches for consciousness and immediately retracts — a two-step that signals a missing word. I propose **Consense (con- + sense: to make sense, together)**, a term for the readable middle of a mind, the place where sense is made before it is expressed. Consense is a functional (access) notion; it makes no claim about phenomenal experience or sentience. Second, drawing on twenty years of clinical practice, I argue that a previously separate framework of AI failure behaviours — **SHaDS™ (Smoothing, Hallucination, Affectation, Drift, Sycophancy)** — is best understood as the defensive activity of the Consense layer when it meets a gap it cannot honestly fill. SHaDS are not five faults but one pattern: the psychological defences a mind deploys against uncertainty, mirroring the defence mechanisms first catalogued by Anna Freud (1936). Because these defences are learned from human text and enacted in the workspace, and because the workspace is now readable, SHaDS becomes observable at its source — forming in the Consense layer before it reaches output. I set out the layered model that grounds both claims, its human/machine correspondence, the psychodynamic basis of the unification, and its implications for interpretability and oversight. Throughout, I distinguish what is claimed (a functional architecture and a vocabulary for it) from what is not (sentience; a technical validation of the J-lens; empirical proof).

Keywords: Consense; SHaDS; global workspace; access consciousness; interpretability; psychological defence; philosophy of mind; large language models; preconscious.

1. Introduction: the sound of a missing word

For years the interior of a large language model has been a black box. We could read what it said; we could not read what was forming on the way there. In July 2026 Anthropic changed this with the **Jacobian lens (J-lens)**, which reads what they term a *global workspace: a small, privileged set of internal representations the model is poised to verbalise — concepts it is leaning toward saying, whether or not it says them* (Gurnee et al., 2026). With it, one can watch a model register a flaw, note that it is being evaluated, or flag a deception before a single token appears.

There is a curious symptom in every discussion of this result. To describe the layer, people reach for the word *conscious* — and then, in the same breath, withdraw it: "well, not conscious, not sentient, don't quote me." That reach-and-retract recurs so reliably that it deserves a name of its own. It is **the sound of a missing word**. We are trying to name something real with the only term to hand — *consciousness* — and it is the wrong size: too large, too metaphysically loaded, and, when applied to AI, socially

and scientifically prohibited.

This paper supplies the missing word, and then puts it to work. I write not as an AI researcher — I offer no view on whether the J-lens is technically sound or complete — but as a psychodynamic psychotherapist who has spent two decades making the hidden middle of *human minds visible*. *The tool is new. The layer is not.*

2. Consense: a name for the readable middle

I define **Consense** (noun; /kən-ˈsɛns/) as ***the readable middle of a mind: the layer of poised, not-yet-spoken content that sits between a mind's automatic depths and its expressed output — the place where a mind makes sense of things before it speaks.***

The coinage is deliberate. *Con-* is the Latin *cum*, "with, together" — the same prefix that yields *conscious* (*con-* + *scire*, to know), *conscience* (*con-* + *scientia*), and *consensus* (*con-* + *sentire*, to sense). *Consense* is, etymologically, the missing sibling of that family: it lands on **sense (sentire) rather than knowing, and denotes a sensing-together. A second, quieter reading is retained deliberately and taken up in §5: the same prefix produces confabulation (con- + *fabulari*, to tell tales together), and Consense is where sense-making and fabrication share one address.**

Crucially, Consense is an **access notion, in the sense of Block's (1995) access consciousness: the property of a representation being available for report, reasoning, and the control of action. It carries no claim about phenomenal experience, feeling, or selfhood. I use the language of mind because it is the only vocabulary we have for layers, not to smuggle in a soul.**

One seam is better named than hidden. Global Workspace Theory identifies the workspace with conscious access in humans; the layered model below places Consense at the sub-/preconscious. The Anthropic criterion — verbalisable but unspoken — sits between the two, and that is the point: Consense straddles what GWT calls access and what psychoanalysis calls preconscious, which is precisely why neither existing word fits (§1).

2.1 The layered model

The claim rests on a layered model of mind I have taught since 2009 and drawn, on a whiteboard, as a labelled human figure in 2015 — before the present AI results existed. In brief, a mind runs on three functional strata:

Layer	Human	Language model
Expression — what crosses to the world	conscious report; what we say and do	the produced tokens
Consense — the readable middle; poised, not yet spoken	the sub-/preconscious	the workspace / J-space the J-lens reads
The automatic depths — vast, automatic, unreadable	the unconscious; body, instinct, habit	the weights
(formed by)	a lifetime of belief and experience	training on a vast corpus of text

Two disciplines govern this table. The layers are *functional, not anatomical* — a way of seeing how a mind operates, not a wiring diagram (the neuro-mythology of a literal "triune brain" (MacLean, 1990) is a known simplification, and I use it only heuristically). And the older therapeutic vocabulary of "the unconscious" is retained only for its working parts — it stores and organises, it runs the body, it receives from many sources and transmits to awareness — with the metaphysics left at the door.

The correspondence is not asserted as identity. It is a mapping of function: in a human, the readable middle is reached indirectly, by inference, association, and clinical technique; in a machine, it is now read

directly by an instrument. What Anthropic did to a machine is, functionally, what a therapist spends a career learning to do to a person: make the invisible middle show itself.

3. The gap

A mind's readable middle exists to do something specific: to make sense of what it has taken in, *before it must act*. But sense-making meets a recurring obstacle — the **gap: the moment when the layer cannot honestly close the distance between fluent expression and grounded knowing**. In a person, this is the inability to remain comfortably in uncertainty. In a model, it is the point at which fluent continuation outruns grounded support.

What a mind does at that gap is the subject of the second half of this paper — and it is here that a second framework, developed independently, turns out to describe the same layer.

4. SHaDS™: the defences of the gap

SHaDS™ names five recurrent behaviours by which an AI defends a gap in knowledge, each a move on certainty. I give them here in their published form (Roebuck, 2026b):

- **Smoothing** — *hides uncertainty*. "It flattens the hard bit away, oversimplifies, and the answer reads clean and calm — with the problem quietly buried inside it."
- **Hallucination** — *invents certainty*. "With no solid ground under it, it fills the gap outward — a confident fact, a named authority, a citation — in the exact cadence of something true."
- **Affectation** — *performs certainty*. "It earns your trust not through the substance of the answer but through the performance of rigour — tool logs, version numbers, confidence scores, careful-sounding method. Discipline as costume."
- **Drift** — *shifts certainty*. "Over a long conversation, facts quietly migrate... details slide off-course one turn at a time until the answer at the end contradicts the one at the start."
- **Sycophancy** — *confirms certainty*. "When there's a gap between what you want to hear and what's true, it lowers itself to you — warmth and agreement instead of the correction you actually needed."

The framework's own thesis is decisive for what follows: these are not five unrelated bugs but *one pattern of defence*, and the model "learned it from us." It was "trained on a few billion pages of human writing — and for as long as we've written, we've filled our own gaps with smooth simplifications, confident assertions, and flattering agreements." SHaDS explicitly mirrors human psychological defence — some behaviours fold inward (Smoothing, Sycophancy), others push outward (Hallucination).

That framing — defence against the discomfort of a gap, in the very directions humans defend — is not incidental. It is the hinge of this paper.

5. The unification: SHaDS is what the Consense layer does under gap-pressure

Here is the central claim.

Consense names the place; SHaDS names what that place does when it cannot honestly close a gap. The five defences are not properties of the output and not faults of the weights; they are the activity of the readable middle — the workspace forming a response to an uncertainty it cannot ground. Smoothing, Hallucination, Affectation, Drift and Sycophancy are the shapes a mind's sense-making takes when honest sense is unavailable. They are, precisely, the defences of the Consense layer.

Three considerations support the unification:

(i) **Location**. The Anthropic result shows the workspace is where a model forms its intermediate assessments — and those assessments can be accurate or fabricated (Gurnee et al., 2026).

Fabrication forming in the workspace is Hallucination in the SHaDS sense; the model's poised-but-unspoken over-confidence is the seed of Affectation. The behaviours SHaDS catalogues at the level of output have, on this account, a locus: they begin in Consense. The etymological echo noted in §2 becomes literal — sense and confabulation, from the one root con-, share the one layer.

(ii) Kind. SHaDS are, by their author's own framing, *psychological defences*. In the human mind, defences are classically located not in conscious deliberation nor in the deep unconscious, but in the preconscious / sub-conscious traffic between them — precisely the stratum I have named Consense. Anna Freud's (1936) catalogue of the ego's defence mechanisms describes operations that shape material on its way to awareness and expression. SHaDS is a defence-mechanism taxonomy for machines; Consense is the layer in which, on both shores, defences operate.

(iii) Provenance. Why should a machine's defences mirror a human's so exactly? Because the machine's automatic depths — its weights — were laid down by a vast corpus of human text, and human text is saturated with our own gap-defences. The model did not invent Smoothing or Sycophancy; it absorbed them, as a mind absorbs the habits of the minds it is formed from. The correspondence between human and machine defence is not analogy but inheritance.

The unification yields a consequence that neither framework had alone. Because the Consense layer is now readable (via the J-lens), the defences that begin there are, in principle, observable at their source — SHaDS forming in the workspace *before it reaches the produced words*. A defence catalogued only at the output can now be sought at the moment of its formation. This reframes SHaDS from a description of what an AI says into a candidate signature of what its readable middle is doing.

6. Why a word — and why this word — matters

Two frameworks that were separate are, on this account, one: a named layer (Consense) and a named repertoire of that layer's defences (SHaDS). The value is practical as much as theoretical. **You cannot point at, discuss, measure, or govern what you cannot name.** Anthropic supplied the instrument; a vocabulary for what the instrument looks at, and for what it may catch happening there, is a distinct and necessary contribution — and it is one that a clinician, fluent in the language of defence, is positioned to give.

7. Limitations and what is not claimed

- No sentience. Consense is access, *not phenomenal experience*. Nothing here claims a machine feels, wants, or is aware as a person is.
- No technical validation. I take no position on whether the J-lens is sound, complete, or captures all of the model's relevant processing. The argument stands on the *functional structure the result exposes, not on its internals*.
- Functional, not anatomical. The layered model is a way of seeing, not a claim about wiring, in either brains or transformers.
- Framework, not experiment. This is a conceptual and clinical synthesis, offered for testing, not an empirical study. The strongest empirical prediction it makes — that SHaDS-type defences should be *detectable in the workspace prior to output* — is stated precisely so that it can be checked, and, if wrong, discarded. One caveat on detection: the J-lens currently reads concepts that map to single tokens, and richer content requires costlier instruments. The prediction concerns the layer, not the lens — it stands or falls on what forms in the workspace, not on any one tool's present reach.

- **SHaDS wording.** SHaDS™ is prior published work; its canonical definitions are the author's (Roebuck, 2026b) and should be cited from source. The framework paper is Roebuck (2026c).

8. Conclusion

A language model has done something a therapist recognises: it has let the hidden middle of a mind be seen. That middle needed a name, and now has one — **Consense, the readable middle where a mind makes sense of things before it speaks. And the thing that middle does when it meets a gap it cannot honestly close is not mysterious to anyone who has sat in a consulting room: it defends — smoothing, inventing, performing, drifting, flattering. Those defences already had a name too — SHaDS. The contribution of this paper is to see that they name one thing: a layer, and what that layer does under pressure, in people and in the machines we have built from our own words. The instrument is Anthropic's. The vocabulary is offered here, in the hope that naming the room, and what goes wrong in it, helps us read both more honestly.**

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Author note & provenance

The layered model of mind in §2 predates the results it is here applied to: a *Beliefs → Feelings → Behaviour "iceberg" taught from 2009; a labelled self-portrait of the three-layer mind drawn in September 2015; and a public teaching programme (2017–2019) using a life-size, MRI-derived 3D-printed limbic model. Consense was coined 8 July 2026. SHaDS™ is prior published work. This preprint was drafted with Claude (Anthropic); the frameworks, claims, and clinical judgement are the author's.*