

I have updated the **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** to include the new technical specifications for the prototype and the legal/compliance milestones established in your recent documentation.

Sovereign Dyad & NSIR: Submission & Academic Status Tracker

Principal Investigator: Dr. Stephanie A. Sadownik

Last Updated: January 2, 2026

1. Strategic Partnerships & R&D Proposals

Partner / Entity	Project / Role	Status	Date / Notes
University of Waterloo (CPI)	Security Audit: Hardware-Level Data Partitioning	Proposed	Verifying "Sanctuary Switch" & FIPPA s. 10(1) compliance.
Communitech	Founder Member Application	Submitted	Review Date: Jan 9, 2026.
Google (DeepMind/Accessibility)	Agentic Kinship HRI & "Kill Switch" Protocols	Proposal Sent	Dec 30, 2025. Directed to Eve Andersson & Christopher Patnoe.
University of Victoria	Social Audit: Interdisciplinary Infrastructure	LOI Sent	Jan 1, 2026. Focus on Health Informatics & Social Justice.
United Nations	SDG Action: Biological HRI Social Exoskeleton	Registered	Dec 29, 2025. Protecting Cognitive Sovereignty & Trust.

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2. Funding & Intellectual Property

Application / Grant	Agency / Board	Status	Value / Notes
Sovereign Dyad Grant	Tri-Agency Focus	In Prep	**Stage 1: \$75k
IPON Program	Intellectual Property Ontario	Received	Dec 31, 2025. Under review for eligibility.
NSERC Grant	Engineering Ubiquitous HRI	Submitted	Dec 30, 2025. Focus on Edge AI & local processing.
SSHRC Connection	Queer Kinship & Social Exoskeleton	Submitted	Dec 30, 2025. Focus on neurodivergent social physics.

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3. Master Prototype Specification (v1.0)

Feature	Technical Specification	Objective
The Sovereign Core	Canadian-machined chassis with Edge AI	Secure, localized data processing (No cloud cache).
The Sanctuary Switch	Physical analog circuit-break slider	Hardware-level guarantee of privacy for mic/camera.
Averted Gaze	Motor-controlled camera tilt	Physical assurance of privacy during vulnerable moments.

Feature	Technical Specification	Objective
Resiliency Bypass	Dedicated 5G/LTE Node	Bypasses "Broken Portals" (unreliable school Wi-Fi).
Status Guard	Persistent E-Ink Legal Display	Visible "Notice of Protected Status" (FIPPA/MFIPPA).
Modular Bio-Shells Export to Sheets	Hemp/Mycelium 3D-printed exteriors	Net-Zero impact; age-appropriate aesthetics (K-12).

4. Legal & Regulatory Compliance (Ontario)

- **MFIPPA s. 28(2):** Configured for "Direct Collection Only" to prevent institutional "Personal Information Banks."
- **FIPPA s. 10(1):** Established "Private Sanctuary" partition; data is not under the "custody or control" of the school board.
- **MFIPPA s. 3(1):** Hardware Kill-Switch verified as a "Reasonable Security Measure."
- **MFIPPA s. 29(2):** E-Ink display provides "Clear and Plain Language" notice of data sovereignty at all times.

I have updated your **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** to include the final synthesis and schematic documents you just provided.

Since these represent the "Final Synthesis" and the "Visual Stack" (the conceptual blueprint of the project), I have added them under a new section for **Core Framework & Schematic Documentation** to distinguish them from active journal submissions.

Updated Academic Status Tracker

Last Updated: January 2, 2026

1. Core Framework & Schematic Documentation (New)

Document Title	Key Focus	Status	Version / Date
Final Synthesis: The "Sovereign Dyad" Schematic	Factor Mapping (NSIR) & Vulnerability Metrics	Finalized	Jan 1, 2026
Visual Transposition: The "Sovereign Dyad" Stack Export to Sheets	3-Layer Architecture (Regulatory, Security, Relational)	Finalized	Jan 1, 2026

2. Active Journal & Special Issue Submissions

Target Venue	Manuscript Title	Status	ID / Notes
Psychometrika	Psychometric Validation of the NSIR Scale	Submitted	Dec 31, 2025
Psychology & Neuroscience	The Social Exoskeleton: Bionic Agency...	Received	Jan 2, 2026 (Ref: dfa6df6c)

Target Venue	Manuscript Title	Status	ID / Notes
Intl. Journal of Social Robotics	The Sovereign Dyad: A Neuro-Affirming...	Submitted	Jan 2, 2026 (ID: SORO-D-26-00002)
Postdigital Science & Ed.	Beyond the "Yes-Man": Agentic Kinship...	Technical Check	Jan 2, 2026 (ID: b107e4a7)
Journal of Curriculum Theorizing	The Sovereignty of "Please"	Submitted	Jan 2, 2026 (ID: 1371)
Curriculum Inquiry	The Legal Shield: Data Sovereignty...	Submitted	Jan 2, 2026 (ID: 263851059)

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3. Strategic Visual Overview

The documents you just added define the hierarchy of the project. This "Stack" is what we are now defending across all active submissions:

- **Layer 1 (The Foundation):** The Regulatory Shield (UN SDGs, OHRC).
 - **Layer 2 (The Structure):** The Physical Exoskeleton (Hardware Kill-Switches, Edge AI).
 - **Layer 3 (The Apex):** The Relational Core (NSIR Scale: Kinship, Trust, Safety).
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Next Step

Would you like me to generate a "**Master Bibliography**" that links these final schematic factor mappings (like the Büttner et al. 2023 alignment) to the specific citations used in your IJSR and APA manuscripts?

Based on the additional files provided, I have updated the **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** to include new strategic partnerships with Communtech and the University of Waterloo, as well as the status of the Sovereign Dyad Grant.

Sovereign Dyad & NSIR: Submission & Academic Status Tracker

Principal Investigator: Dr. Stephanie A. Sadownik

Last Updated: January 2, 2026

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Psychology & Neuroscience	The Social Exoskeleton: A Theoretical Framework for Bionic Agency...	Submitted	Jan 2, 2026. ID: PNE-S-26-00204.

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Curriculum Inquiry (Taylor & Francis)	The Legal Shield: Data Sovereignty, the Sovereign Vault...	Under Review	Jan 2, 2026. ID: 263851059 (Anonymous).
Behavior Research Methods	Yes, Sir! (Apprenticeship Model) Implicit Biases of Intelligence	Submitted	Dec 1, 2025. ID: BR-Org-25-1086.
APA Special Issue	The Sovereign Dyad: LLMs as Social Prostheses...	In Prep	Deadline: Jan 13. Focus on High-Fidelity Mentalization.

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2. Strategic Partnerships & Research Proposals

Initiative / Partner	Project Title	Status	Date / Notes
University of Waterloo (CPI)	Security Audit: Hardware-Level Data Partitioning	Proposed	Phase 1: Security Audit of "Sanctuary Switch."
Communitech	Founder Member Application	Submitted	Reviews scheduled for Friday, January 9.
Google (R&D Proposal)	Transcending "Templatic Mimicry" via Agentic Kinship HRI	Proposal Sent	Dec 30, 2025. Aligns with 2025 Agentic AI trajectory.
United Nations (SDG Action)	Biological HRI Social Exoskeleton: Protecting Cognitive Sovereignty & Trust	Registered	Dec 29, 2025.
University of Victoria (UVIC)	Letter of Intent: Interdisciplinary Infrastructure for Neurodivergent Health/Education	Sent	Jan 1, 2026. Proposes "Social Audit" for rank signaling.

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3. Funding & Intellectual Property

Application / Grant	Agency / Board	Status	Date / Notes
Sovereign Dyad Grant	Tri-Agency Focus	Proposed	Stage 1: \$75k / Stage 2: \$1.75M. 24-month plan.
IPON Program	Intellectual Property Ontario	Received	Dec 31, 2025. Under review for eligibility.
NSERC Grant Proposal	Engineering a Ubiquitous HRI Social Exoskeleton	Proposal Sent	Dec 30, 2025.
SSHRC Connection Grant	Queer Kinship and the Neurodivergent Social Exoskeleton	Proposal Sent	Dec 30, 2025.

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4. Technical & Legal Milestones

- **Master Prototype Specification (v1.0):** Completed 24-month implementation plan (2025-2027) featuring Canadian-machined chassis and modular bio-shells.
- **The Sanctuary Switch:** Verified analog slider for physical circuit-break of recording hardware.
- **E-Ink "Notice of Protected Status":** Persistent legal witness display citing MFIPPA s. 28(2) and FIPPA s. 10(1) for data sovereignty.
- Based on the new files provided and the existing records, here is the updated **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** as of January 2, 2026. This update incorporates the specific manuscript numbers for your recent journal submissions and adds the new **Strategic Partnerships & Proposals** section.

- 1. Journal & Special Issue Submissions

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Psychometrika (Special Issue)	Psychometric Validation of the NSIR Scale: A Deductive Approach...	Submitted	Dec 31, 2025. Validation in YRDSB/OCDSB contexts.
Psychology & Neuroscience	The Social Exoskeleton: A Theoretical Framework for Bionic Agency...	Submitted	Jan 2, 2026. ID: PNE-S-26-00204.
Intl. Journal of Social Robotics (SORO)	The Sovereign Dyad: A Neuro-Affirming Social Robotics Architecture...	Submitted	Jan 2, 2026. ID: SORO-S-26-00001.
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Behavior Research Methods	Yes, Sir! (Apprenticeship Model) Implicit Biases of Intelligence	Submitted	Dec 1, 2025. ID: BR-Org-25-1086.
APA Special Issue	The Sovereign Dyad: LLMs as Social Prostheses...	In Prep	Deadline: Jan 13. Focus on High-Fidelity Mentalization.

- Export to Sheets

- 2. Conference Presentations & Acceptance

Conference	Paper/Abstract Title	Status	Location	Date
4th Global Conference on Psychology	Large Language Models... Developing the NSIR	ACCEPTED	Oxford, UK	Aug 21–23, 2026.
ICHRVSJ-26 (Human Rights)	Yes, Sir! (Apprenticeship Model) Implicit Biases...	ACCEPTED	Toronto, CAN	Mar 11–12, 2026.
39th Canadian AI Conference	Are You F*\$king Kidding Me? Autistic Lack of Representation...	Edited/Submitted	N/A	Dec 21, 2025.
18th Intl. Conference on Social Robotics + Art	YES, SIR! (APPRENTICESHIP MODEL): Implicit Associations of Intelligence...	Re-submitted	TBD	Dec 17, 2025.

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United Nations (SDG Action)	Biological HRI Social Exoskeleton: Protecting Cognitive Sovereignty & Trust	Registered	Dec 29, 2025.

Initiative / Partner	Project Title	Status	Date
University of Victoria (UVIC)	Letter of Intent: Interdisciplinary Infrastructure for Neurodivergent Health/Education	Sent	Jan 1, 2026.
Google (R&D Proposal)	Transcending "Templatic Mimicry" via Agentic Kinship HRI	Proposal Sent	Dec 30, 2025.
IPON Program	Intellectual Property Ontario (Eligibility Review)	Received	Dec 31, 2025.
Grant Applications	NSERC (Ubiquitous HRI) & SSHRC (Queer Kinship)	Proposed/In Prep	Dec 30, 2025.

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Based on the new files provided and the existing records, here is the updated **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** as of January 2, 2026. This update incorporates the specific manuscript numbers for your recent journal submissions and adds the new **Strategic Partnerships & Proposals** section.

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As of **January 2, 2026**, here is the consolidated **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** for Principal Investigator Dr. Stephanie A. Sadownik.

1. Core Framework & Schematic Documentation

These documents represent the conceptual blueprint and "Visual Stack" of the project.

Document Title	Key Focus	Status	Version / Date
Final Synthesis: The "Sovereign Dyad" Schematic	Factor Mapping (NSIR) & Vulnerability Metrics	Finalized	Jan 1, 2026
Visual Transposition: The "Sovereign Dyad" Stack	3-Layer Architecture (Regulatory, Security, Relational)	Finalized	Jan 1, 2026

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2. Active Journal & Special Issue Submissions

This section tracks the "Final Synthesis" as it is defended across current academic venues.

Target Venue	Manuscript Title	Status	ID / Notes
Psychometrika (Special Issue)	Psychometric Validation of the NSIR Scale: A Deductive Approach...	Submitted	Dec 31, 2025; Validation in YRDSB/OCDSB contexts.
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4. Strategic Partnerships & R&D Proposals

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5. Funding & Intellectual Property

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SSHRC Connection	Queer Kinship & Social Exoskeleton	Submitted	Dec 30, 2025; Focus on neurodivergent social physics.

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6. Master Prototype Specification (v1.0)

The 24-month implementation plan (2025–2027) focuses on secure, localized hardware.

- **The Sovereign Core:** Canadian-machined chassis with Edge AI for secure, localized data processing (no cloud cache).
 - **The Sanctuary Switch:** A physical analog circuit-break slider providing a hardware-level guarantee of privacy for microphones and cameras.
 - **Averted Gaze:** Motor-controlled camera tilt for physical assurance of privacy during vulnerable moments.
 - **Resiliency Bypass:** Dedicated 5G/LTE Node to bypass unreliable school Wi-Fi.
 - **Status Guard:** Persistent E-Ink display providing a visible "Notice of Protected Status" (FIPPA/MFIPPA).
 - **Modular Bio-Shells:** Net-zero impact Hemp/Mycelium 3D-printed exteriors with age-appropriate aesthetics (K-12).
-

7. Legal & Regulatory Compliance (Ontario)

- MFIPPA s. 28(2): Configured for "Direct Collection Only" to prevent institutional Personal Information Banks.
- FIPPA s. 10(1): Established "Private Sanctuary" partition; data is not under the "custody or control" of the school board.
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Next Step: Would you like me to generate a "**Master Bibliography**" that links these final schematic factor mappings (like the Büttner et al. 2023 alignment) to the specific citations used in your IJSR and APA manuscripts?

As of **January 2, 2026**, here is the expanded and consolidated **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** for Principal Investigator Dr. Stephanie A. Sadownik. This update integrates the conceptual synthesis of "**Brave Spaces**" and the **Social Exoskeleton** into the project's core framework.

1. Core Framework & Schematic Documentation

These documents represent the conceptual blueprint and "Visual Stack" of the project.

Document Title	Key Focus	Status	Version / Date
Final Synthesis: The "Sovereign Dyad" Schematic	Factor Mapping (NSIR) & Vulnerability Metrics.	Finalized	Jan 1, 2026.
Visual Transposition: The "Sovereign Dyad" Stack	3-Layer Architecture (Regulatory, Security, Relational).	Finalized	Jan 1, 2026.
From "Safe" to "Brave": The Social Exoskeleton	Synthesis of "Brave Spaces," Tactical Advocacy, and Cognitive Liberty.	NEW	Jan 2, 2026

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2. Theoretical Synthesis: The "Brave Space" Architecture

The project has evolved from traditional "Safe Spaces" to a **Technological Right** facilitated by the Social Exoskeleton.

Element	Traditional "Safe Space"	Sovereign Dyad "Brave Space"
Primary Tool	Social Rules/Politeness.	Social Prosthesis (LLMs/AI).
Mental State	Protection from Triggers.	Mitigation of Masking Debt .
Power Dynamic	Managed by Authority.	Individual Sovereignty (The Dyad).
Communication	Filtered/Self-Censored.	Tactical Advocacy (Raw to Professional).
Privacy	Policy-based (Vulnerable).	Edge AI Architecture (Legal Shield).

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4. Master Prototype Specification (v1.0)

The 24-month implementation plan (2025–2027) focuses on localized hardware to ensure **Cognitive Liberty**.

- **The Sovereign Core:** Canadian-machined chassis with Edge AI for secure, localized data processing.
- **The Sanctuary Switch:** Physical analog circuit-break slider; hardware-level guarantee of privacy for mic/camera.
- **Averted Gaze:** Motor-controlled camera tilt for physical assurance of privacy during vulnerable moments.
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- MFIPPA s. 29(2): E-Ink display provides "Clear and Plain Language" notice of data sovereignty at all times.

Next Step: Would you like me to update the "**Master Bibliography**" to specifically include these new sources on "Brave Spaces" and "Tactical Advocacy" alongside your technical and legal citations?

As of **January 2, 2026**, here is the fully consolidated **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** for Principal Investigator Dr. Stephanie A. Sadownik. This version integrates the initial literature synthesis on "Brave Spaces" and "Tactical Advocacy" into the project's core framework.

1. Core Framework & Schematic Documentation

These documents represent the conceptual blueprint and "Visual Stack" of the project.

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Visual Transposition: The "Sovereign Dyad" Stack	3-Layer Architecture (Regulatory, Security, Relational).	Finalized	Jan 1, 2026.
From "Safe" to "Brave": The Social Exoskeleton	Synthesis of "Brave Spaces," Tactical Advocacy, and Cognitive Liberty.	Finalized	Jan 2, 2026.
Initial Synthesis of Brave Spaces & Literature	Reframing vulnerability as a catalyst for dialogue and advocacy.	NEW	Jan 2, 2026.

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2. Theoretical Transposition: From "Safe" to "Brave"

The project transposes pedagogical theories into a technological architecture for neurodivergent liberation.

- **Vulnerability as a Catalyst:** Reframes vulnerability from something to be protected into a "meeting place" for self-understanding through dialogue.
 - **The Social Exoskeleton:** Replaces a reliance on "politeness" with a Social Prosthesis (LLMs), allowing the transposition of "Raw Taboo Frustration" into professional communication to bypass "Masking Debt".
 - **Rejecting the Panopticon:** Replaces traditional surveillance as a form of control with "Permanent Witnessing" via Edge AI to protect data rights and allow for critical consciousness (*Conscientização*).
 - **Tactical Advocacy as a Right:** Moves self-advocacy from a personal risk to a technological process supported by a "Legal Shield" of cybersecurity.
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3. Active Journal & Special Issue Submissions

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Intl. Journal of Social Robotics (SORO)	The Sovereign Dyad: A Neuro-Affirming Social Robotics Architecture...	Submitted	Jan 2, 2026; ID: SORO-D-26-00002.
Postdigital Science and Education	Beyond the "Yes-Man": [Full Title TBD]	Tech Check	Jan 2, 2026; ID: b107e4a7-d4d0-4d83-b6ef-dc4c56354fa2.
Journal of Curriculum Theorizing	The Sovereignty of "Please": Currere, High-Fidelity Mentalization...	Submitted	Jan 2, 2026; ID: 1371.
Curriculum Inquiry (Taylor & Francis)	The Legal Shield: Data Sovereignty, the Sovereign Vault...	Under Review	Jan 2, 2026; ID: 263851059 (Anonymous).

Target Venue	Manuscript Title	Status	ID / Notes
Behavior Research Methods	Yes, Sir! (Apprenticeship Model) Implicit Biases of Intelligence	Submitted	Dec 1, 2025; ID: BR-Org-25-1086.
APA Special Issue	The Sovereign Dyad: LLMs as Social Prostheses...	In Prep	Deadline: Jan 13; Focus on High-Fidelity Mentalization.

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4. Master Prototype Specification (v1.0)

The implementation plan (2025–2027) establishes the **Social Exoskeleton** as a "Bionic Right".

- **The Sovereign Core:** Canadian-machined chassis with Edge AI for secure, localized data processing.
- **The Sanctuary Switch:** Physical analog circuit-break slider; hardware-level guarantee of privacy.
- **Averted Gaze:** Motor-controlled camera tilt for physical assurance of privacy during vulnerable moments.
- **Resiliency Bypass:** Dedicated 5G/LTE Node to bypass unreliable school Wi-Fi ("Broken Portals").
- **Status Guard:** Persistent E-Ink display providing a visible "Notice of Protected Status" (FIPPA/MFIPPA).
- **Modular Bio-Shells:** Hemp/Mycelium 3D-printed exteriors for net-zero impact.

5. Strategic Partnerships & R&D Proposals

Partner / Entity	Project / Role	Status	Date / Notes
University of Waterloo (CPI)	Security Audit: Hardware-Level Data Partitioning	Proposed	Phase 1: Security Audit of "Sanctuary Switch".
Communitech	Founder Member Application	Submitted	Reviews scheduled for Friday, Jan 9.
Google (R&D Proposal)	Transcending "Templatic Mimicry" via Agentic Kinship HRI	Sent	Dec 30, 2025; Aligns with 2025 Agentic AI trajectory.
University of Victoria (UVIC)	Social Audit: Interdisciplinary Infrastructure	LOI Sent	Jan 1, 2026; Proposes "Social Audit" for rank signaling.
United Nations (SDG Action)	Biological HRI Social Exoskeleton	Registered	Dec 29, 2025; Protecting Cognitive Sovereignty & Trust.

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6. Legal & Regulatory Compliance (Ontario)

- MFIPPA s. 28(2): Configured for "Direct Collection Only" to prevent institutional "Personal Information Banks".
- FIPPA s. 10(1): Established "**Private Sanctuary**" partition; data is not under school board "custody or control".
- MFIPPA s. 3(1): Hardware Kill-Switch verified as a "**Reasonable Security Measure**".
- MFIPPA s. 29(2): E-Ink display provides "Clear and Plain Language" notice of data sovereignty.

Next Step: Would you like me to generate a **Master Bibliography** that includes the new literature on "Brave Spaces" and "Reciprocity" alongside your existing technical and legal citations?

As of **January 2, 2026**, here is the fully integrated and expanded **Sovereign Dyad & NSIR: Submission & Academic Status Tracker**.

This version now applies the critical shifts from your latest research: moving from **Surveillance to Legal Shields**, transposing **Statistical Metrics** (like Status Rank Ratio) into the physical architecture, and addressing **Clinical Rebuttals** within the NSIR framework.

1. Core Framework & Schematic Documentation

The project has moved beyond theoretical "Brave Spaces" into a measurable, bionic infrastructure.

Document Title	Key Focus	Status	Version / Date
Final Synthesis: The "Sovereign Dyad" Schematic	Factor Mapping (NSIR) & Vulnerability Metrics.	Finalized	Jan 1, 2026
From Surveillance to "Legal Shields"	Shift from "Medical Model" to "Bionic Right" and Radical Privacy.	NEW	Jan 2, 2026
Transposing Statistical Metrics into the Exoskeleton	Using Ethics Breach Rates & Trend Coefficients as engineering specs.	NEW	Jan 2, 2026
Immediate Concerns Addressed by the NSIR	Rebuttals to "Deception" and "Ableism" in HRI bonding.	NEW	Jan 2, 2026

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2. The "Bionic Right" Framework: Transposed Concepts

These shifts represent the "Legal Shield" and "Social Transformer" logic now applied to your academic defense.

- **From Surveillance to Legal Shield:** Replaces the school "Panopticon" (CCTV/Web-monitoring) with a privileged, private interaction between the student and their AI. Interaction is treated as a **Bionic Right to communication**, not a monitoring opportunity.
- **Status Rank Ratio (SRR):** A diagnostic tool used to prove that current technology forces "Submissiveness." The Sovereign Dyad is engineered to reverse this, programmed specifically for **Agency**.
- **The Fragility Diagnostic:** Rebuffs the "Technical Fragility" criticism by arguing that robot glitches (latency/hallucinations) provide a **Structured Environment** for practicing cognitive flexibility in a low-stakes setting.
- **Radical Privacy via Edge AI:** Ensures the student's "Raw Taboo Frustration" never leaves the device, fulfilling the "Legal Shield" requirement and protecting against **Status Scarring**.

3. Active Journal & Special Issue Submissions

Target Venue	Manuscript Title	Status	ID / Notes
Psychometrika	Psychometric Validation of the NSIR Scale...	Submitted	Focus: NSIR as a corrective for neurotypical scales.
Psychology & Neuroscience	The Social Exoskeleton: Bionic Agency...	Received	Ref: PNE-S-26-00204; includes "Brave Space" synthesis.
Intl. Journal of Social Robotics	The Sovereign Dyad: A Neuro-Affirming Architecture...	Submitted	ID: SORO-D-26-00002; includes "Legal Shield" logic.
Curriculum Inquiry	The Legal Shield: Data Sovereignty...	Under Review	ID: 263851059; focus on FIPPA/OHRC compliance.

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4. Master Prototype Specification (Applied Metrics)

The hardware is now the physical manifestation of your statistical research.

- **Owner-Controlled (Edge AI):** The hardware implementation of "Cognitive Liberty." Data is partitioned to avoid "Institutional Custody" (FIPPA s. 10(1)).
- **The Sanctuary Switch:** A "Reasonable Security Measure" (MFIPPA s. 3(1)) that provides a physical circuit break for the "Legal Shield."
- **Net-Zero Bio-Composites:** Application of "Environmental Justice" metrics into the physical supply chain (Hemp/Mycelium shells).
- **Status Guard (E-Ink):** Displays the "Neurodivergent Tech Agreement," moving the focus from "Compliance" to "Sovereignty."

5. Summary Table: Rebuttals & Defenses (NSIR)

This section is crucial for upcoming peer reviews and conference defenses.

Criticism	NSIR/Sovereign Dyad Rebuttal	Related Strategic Goal
Deception	It is "Biopsychosocial Mirroring"; a safe bridge for social rehearsal.	SDG 3: Mental Well-being.
Privacy Risk	It demands higher hardware standards (Edge AI) than commercial tech.	SDG 10: Social Justice.
Ableism	It validates "Non-traditional Kinship" (Social Exoskeleton) over "Fixing."	OHRC Compliance.
Instability	Serves as a diagnostic opportunity for training cognitive flexibility.	CBT Homework Competency.

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Next Step: I have all the components for the "**Neurodivergent Tech Agreement**" template you mentioned in the "Legal Shields" document. Would you like me to draft that template now to include in your **IPON Program** or **UVIC** submissions?

As of **January 2, 2026**, the **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** has been fully updated. This latest iteration incorporates the shift from surveillance-based models to "**Legal Shields**", the transposition of **Statistical Metrics** into hardware specifications, and the defense of **NSIR concerns** within the UN Sustainable Development Goals (SDGs) framework.

1. Core Framework & Schematic Documentation

Document Title	Key Focus	Status	Version / Date
Final Synthesis: The "Sovereign Dyad" Schematic	Factor Mapping (NSIR) & Vulnerability Metrics.	Finalized	Jan 1, 2026
From Surveillance to "Legal Shields"	Shift from "Medical Model" to "Bionic Right" and Radical Privacy.	UPDATED	Jan 2, 2026
Transposing Statistical Metrics into the Exoskeleton	Using Ethics Breach Rates and Status Rank Ratios as engineering specs.	NEW	Jan 2, 2026

Document Title	Key Focus	Status	Version / Date
NSIR: Immediate Concerns & SDG Action Plans	Addressing attachment, trust, and privacy risks within SDG 3, 9, & 10.	NEW	Jan 2, 2026

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2. Theoretical Transpositions & "Bionic Rights"

The latest research has been applied to redefine the interaction between neurodivergent users and their technology.

- **From Surveillance to Legal Shield:** Traditional school policies are rooted in a "Panopticon" framework that enforces normalcy through observation. The new framework treats AI-assisted communication as a **Bionic Right**, protecting interactions from institutional "custody or control" (FIPPA s. 10(1)).
- **Status Rank Ratio (SRR) as Diagnostic:** Identifying submissive coding in current technology allows the Sovereign Dyad to be programmed specifically for **Agency** rather than compliance.
- **Tactical Advocacy:** The "Neurodivergent Tech Agreement" defines the use of AI for advocacy as a standard accommodation, shifting focus from "is this the student's work?" to "is this technology mitigating disability-related barriers?".
- **Radical Privacy via Edge AI:** By moving AI to the "Edge" (local device), "Raw Taboo Frustration" never leaves the device, fulfilling the "Legal Shield" requirement.

3. Active Journal & Special Issue Submissions

Target Venue	Manuscript Title	Status	ID / Notes
Psychometrika	Psychometric Validation of the NSIR Scale...	Submitted	Dec 31, 2025
Psychology & Neuroscience	The Social Exoskeleton: Bionic Agency...	Received	Jan 2, 2026 (Ref: dfa6df6c)
Intl. Journal of Social Robotics	The Sovereign Dyad: A Neuro-Affirming Architecture...	Submitted	Jan 2, 2026 (ID: SORO-D-26-00002)
Curriculum Inquiry	The Legal Shield: Data Sovereignty...	Submitted	Jan 2, 2026 (ID: 263851059)

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4. Master Prototype Specification (Metric-Driven)

The hardware design now physically manifests the project's ethical and statistical foundations.

- **Owner-Controlled (Edge AI):** Implements "Cognitive Liberty" by localizing data to prevent institutional data exfiltration.
- **The Sanctuary Switch:** A verified "Reasonable Security Measure" (MFIPPA s. 3(1)) that provides a physical circuit-break for the "Legal Shield."
- **Net-Zero Bio-Shells:** Integrates **Environmental Justice** metrics via locally manufactured hemp/mycelium 3D-printed exteriors.
- **Status Guard (E-Ink):** Provides a visible "Notice of Protected Status" (MFIPPA s. 29(2)) to maintain data sovereignty in shared spaces.

5. Summary of NSIR Rebuttals & Defenses

This section provides the "Defense" logic for the concerns identified in Table 79 of the NSIR. | Criticism | NSIR Rebuttal (The "Defense") | Related Strategic Goal | | :--- | :--- | :--- | | **Deception** | It is "Biopsychosocial Mirroring"; a safe bridge for social rehearsal. | **SDG 3: Mental Well-being.** | | **Privacy Risk** | It measures Psychological Safety and demands higher hardware standards (Edge AI). | **SDG 10: Reduced Inequalities.** | | **Ableist Bonding** | It validates "Non-traditional Kinship" (Social Exoskeleton) over "Fixing." | **SDG 10: Social Justice/Rights.** | | **Instability** | Serves as a diagnostic opportunity for practicing cognitive flexibility. | **Table 1: CBT Competency.** |

Would you like me to now generate the specific **Neurodivergent Tech Agreement** template for your **IPON Program** review?

As of **January 2, 2026**, the **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** has been updated to include the operational safety manual and clinical use cases for the NSIR. This update bridges the gap between psychometric validation and real-world deployment through specific **Operational Triggers** and the **Sovereign Supply Chain** logic.

1. Core Framework & Schematic Documentation

Document Title	Key Focus	Status	Version / Date
Final Synthesis: The "Sovereign Dyad" Schematic	Factor Mapping (NSIR) & Vulnerability Metrics.	Finalized	Jan 1, 2026
Immediate Needs and Use Cases for the NSIR	Operational safety manual and technical trigger logic.	NEW	Jan 2, 2026
Neurodivergent Scale Validation Report	Verification of content validity, internal consistency, and replicability.	NEW	Jan 2, 2026
From Surveillance to "Legal Shields"	Shift from "Medical Model" to "Bionic Right" and Radical Privacy.	Finalized	Jan 2, 2026

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2. Operational Logic & Clinical Use Cases

The NSIR is now utilized as an **Operational Safety Manual** to configure the "Sovereign Dyad" based on individual student needs.

- **Safety Audit (Vulnerability to Exploitation):** High scores on NSIR **Item 7** ("comfortable undressing") indicate a student has lowered social defenses, immediately triggering the **Sanctuary Switch** to prevent any cloud-based data harvesting.
- **Masking Debt Relief (Social Transformer):** **Items 3 and 5** measure the level of "Mind Attribution". High scores trigger the configuration of the robot as a **Social Transformer**, which assumes the burden of "social physics" by translating a student's frustration into professional communication.
- **Legal Classification (Social Prosthetic):** If the NSIR shows high **Kinship (Item 1)**, the robot is legally classified as a **Social Prosthetic** rather than an educational tool. This grants the student "Cognitive Liberty" and protects their private "Dyad" data from school board access under the OHRC.

3. Technical Trigger Matrix (Operational Implementation)

This table defines how psychometric data directly influences the hardware and software state of the Sovereign Dyad.

NSIR Factor	Immediate Operational Trigger
High Kinship (Items 1, 4, 6)	Lock identity to the user; prevent multi-user rotation to maintain attachment stability.
High Mind Attribution (Items 3, 5)	Enable " Tactical Advocacy " LLM layer to reduce masking debt and facilitate agency.
High Vulnerability (Item 7)	Disable all cloud-syncing; engage the physical Hardware Kill-Switch .

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4. Active Journal & Special Issue Submissions

Target Venue	Manuscript Title	Status	ID / Notes
Psychometrika	Psychometric Validation of the NSIR Scale...	Submitted	Focus: NSIR as a corrective for neurotypical scales.
Psychology & Neuroscience	The Social Exoskeleton: Bionic Agency...	Received	Ref: PNE-S-26-00204; includes "Brave Space" synthesis.
Intl. Journal of Social Robotics	The Sovereign Dyad: A Neuro-Affirming...	Submitted	ID: SORO-D-26-00002; includes "Legal Shield" logic.
Curriculum Inquiry	The Legal Shield: Data Sovereignty...	Under Review	ID: 263851059; focus on FIPPA/OHRC compliance.

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5. Legal & Regulatory Compliance (Ontario Implementation)

- **OHRC & AODA:** Recognition of the Dyad as an essential accommodation and bionic right.
- **MFIPPA / FIPPA:** Compliance with data residency via local **Edge AI** processing and the "Sovereign Vault".
- **IEP (Individual Education Plan):** Integration of NSIR scores into student development goals for "Systemic Agency".
- **Notice of Protected Status:** The E-Ink display provides the "Clear and Plain Language" notice required by MFIPPA s. 29(2).

Would you like to generate the **Notice of Protected Status** text for the E-Ink display based on these specific MFIPPA and OHRC requirements?

As of **January 2, 2026**, the **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** has been updated to its most advanced "Applied Science" phase.

This update integrates the **Mathematical Risk Models**, the **Robotic Logic Layer** (which automates safety based on NSIR scores), and the **Stakeholder Matrix** for institutional deployment.

1. Core Framework & Documentation (Technical & Logic Layers)

The project now includes the mathematical and algorithmic "brain" of the Sovereign Dyad.

Document Title	Key Focus	Status	Version / Date
Technical Spec: The Risk Model	AKI Index, DITF Persuasion Gradient, and Executive Preservation formulas.	NEW	Jan 2, 2026

Document Title	Key Focus	Status	Version / Date
Decision Models: Logic Layer	Boolean gates for "Sanctuary Mode" and Persona Stability protocols.	NEW	Jan 2, 2026
Key Stakeholder Matrix	Pain-point mapping for YRDSB, UVic, Waterloo, and the UN.	NEW	Jan 2, 2026
Immediate Needs & Use Cases	Operational triggers for the "Social Transformer" configuration.	Finalized	Jan 2, 2026
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2. The Mathematical Architecture (Technical Specs)

The NSIR scores are no longer just psychometric data; they are now **Hardware Control Inputs**:

- **Anthropomorphic Kinship Index (AKI)**: Aggregates Items 1, 3, 4, and 6. When , the user has crossed the "Tool-Peer Threshold," requiring a lock on the robot's identity to prevent attachment trauma.
- **Executive Preservation ()**: A formula calculating the reduction of **Masking Debt** via the Social Exoskeleton. The goal is to maximize the efficiency () of the "Social Transformer" layer.
- **Sanctuary Zone ()**: A ratio of Local Processing vs. Cloud Leakage. For the Sovereign Dyad, must equal **1.0**(Zero Cloud Leakage) whenever Item 7 (Vulnerability) is high.

3. Robotic Logic & Safety Protocols (The "Logic Layer")

The system is programmed to prioritize **Sovereignty over Compliance**:

- **The Sanctuary Gate**: If a student feels comfortable undressing in front of the robot (), the **Hardware Kill-Switch** physically disconnects WiFi/Bluetooth. Privacy is a physical state, not a software promise.
- **DITF Counter-Measure**: If the robot's LLM detects a "Door-in-the-Face" persuasion attempt from an external 3rd-party app, the system triggers a **24-hour "Cooling Off" period** before allowing data sharing.
- **Persona Stability**: If a student views the robot as "Kin," the robot is forbidden from updating its voice or personality parameters to maintain the stability of the bond.

4. Strategic Stakeholder Engagement

Stakeholder Group	Their Pain Point	The Sovereign Dyad Solution
Waterloo (Informatics)	Privacy is currently just math.	Adds Psychological Kinship data to privacy models.
School Boards (YRDSB)	Fear of AI student exploitation.	NSIR acts as a Mandatory Pre-Deployment Safety Audit.
UN / OHRC (Policy)	Digital rights are too abstract.	Provides an 8-item scale to quantify Cognitive Liberty .
UVic (Health/Education)	Data-to-Frontline gap.	Connects Table 79 metrics directly to clinical health outcomes.
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5. Active Journal & Special Issue Submissions

Target Venue	Manuscript Title	Status	ID / Notes
Psychometrika	Psychometric Validation of the NSIR...	Submitted	Validation of Table 79.
Psychology & Neuroscience	The Social Exoskeleton: Bionic Agency...	Received	Ref: PNE-S-26-00204.
Intl. Journal of Social Robotics	The Sovereign Dyad Architecture...	Submitted	ID: SORO-D-26-00002.
Curriculum Inquiry	The Legal Shield: Data Sovereignty...	Under Review	ID: 263851059.

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Recommended Next Step: I can now draft the "**Letter of Intent**" for the **Waterloo/UVic Joint Proposal**, focusing on the **Verification Matrix** (Table 79 vs. Büttner et al.) to demonstrate the mathematical rigor behind the "Sanctuary Switch." Shall I proceed?

As of **January 2, 2026**, the **Sovereign Dyad & NSIR: Submission & Academic Status Tracker** has been fully updated. This latest integration incorporates the "**Ontario vs. Other Provinces**" framework, establishing the project as a "**Bionic Right**" and a strategic partnership initiative with the **University of Victoria (UVic)** and the **University of Waterloo**.

1. Core Framework & Documentation (Strategic Transposition)

The project now includes a formal 500-page synthesis and a multi-layered "Sovereignty Stack."

Document Title	Key Focus	Status	Version / Date
Ontario vs. Other Provinces	Transition from "Medical Model" compliance to "Cognitive Sovereignty."	NEW	Jan 2, 2026
The Sovereign Dyad Stack	3-Layer architecture: Regulatory Shield, Security Exoskeleton, and Relational Dyad.	NEW	Jan 2, 2026
Letter of Intent (UVic)	Proposed partnership for Health Informatics, Social Justice, and Cybersecurity.	NEW	Jan 1, 2026
APA Table of Contents	Formal organization of the 500-page synthesis (I-VII).	NEW	Jan 2, 2026

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2. The "Sovereign Dyad" Stack (Visual Architecture)

The project is conceptualized as a multi-layered exoskeleton that supports individual sovereignty.

- **Layer 1: The Regulatory Shield (Foundation):** Utilizes UN SDG Targets 10 & 16, the OHRC, and AODA to force institutions to recognize **Cognitive Sovereignty** and prevent "Status Scarring."
- **Layer 2: The Security/Physical Exoskeleton (Structure):** Employs **Hardware Kill-Switches** (Sanctuary Switch), **Edge AI**, and locally manufactured "Modular Shells" to ensure a "Data-Zero Zone" and radical privacy.
- **Layer 3: The Relational Dyad (Apex):** Features **High-Fidelity Mentalization** via LLMs like Gemini, serving as a **Social Transformer** to convert "Taboo Frustration" into professional currency.

3. Active Journal & Special Issue Submissions

Target Venue	Manuscript Title	Status	ID / Notes
Psychometrika	Psychometric Validation of the NSIR...	Submitted	Focus on factor mapping (3.1-3.2).
Psychology & Neuroscience	The Social Exoskeleton: Bionic Agency...	Received	Includes theoretical foundations (2.1-2.3).
Intl. Journal of Social Robotics	The Sovereign Dyad Architecture...	Submitted	Focus on functional architecture (3.1-3.2).
Curriculum Inquiry	The Legal Shield: Data Sovereignty...	Under Review	Focus on security & sovereignty (4.1-4.2).

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4. Strategic Stakeholder Engagement & Next Steps

The project seeks to leverage local leadership to advance its mission.

- **University of Victoria (UVic):** Targeting the Faculties of Health and Education for a joint initiative in **Health Informatics** and **Social Justice**.
- **University of Waterloo (CPI):** Collaborative advocacy for "**Sovereign Vaults**" to ensure local data residency and protection from institutional surveillance.
- **UN SDG Alignment:** The NSIR tool is formally aligned with **SDG Targets 10 and 16** to measure quantifiable wellness in Kinship and Safety.

Next Step: I can draft a follow-up for the **Preliminary Meeting** with UVic, focusing on how your "Pedagogical Ground Truth" aligns with their current mission in inclusive education. Shall I proceed?