

ERES BESI Kirlianography v0.1

References & Citations

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Date: January 3, 2026

Document Version: 1.0

I. ERES Institute Foundational Documents

A. Core BESI Framework

1. **Sprute, J.A.** (2026). *Bio-Energy Sustainability Index (BESI) v0.1: A Kirlian-Fourier-Munsell Framework for Biometric Certification*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL>
2. **Sprute, J.A.** (2026). *BESI Technical Specification Document: Based on ERES Framework Patterns*. ERES Institute for New Age Cybernetics. [This document]

B. ERES Aura Resonance Index (ARI) Framework

3. **Sprute, J.A.** (2025). *The Aura Resonance Index (ARI): A Pulsating Vision for Sustainable Cities of Tomorrow*. Medium. Published September 21, 2025. Available at:
<https://medium.com/@josephasprute/the-aura-resonance-index-ari-a-pulsating-vision-for-sustainable-cities-of-tomorrow-8f64b13bbe2b>
4. **Sprute, J.A.** (2025). *ERES ARI E-Manual V.2*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20ARI%20E-Manual%20V.2.pdf>
5. **Sprute, J.A.** (2025). *ERES ARI Application Framework*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20ARI%20Application%20Framework.pdf>
6. **Sprute, J.A.** (2025). *ERES ARI Empirics*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20ARI%20Empirics.pdf>
7. **Sprute, J.A.** (2025). *ERES Claude ARI Report*. ERES Institute for New Age Cybernetics. GitHub Repository:

<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Claude%20ARI%20Report.pdf>

C. ERES Emission Resonance Index (ERI) Framework

8. **Sprute, J.A.** (2025). *ERES Emission Resonance Index (ERI) Proposal*. ERES Institute for New Age Cybernetics. GitHub Repository:
[https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Emission%20Resonance%20Index%20\(ERI\)%20Proposal.pdf](https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Emission%20Resonance%20Index%20(ERI)%20Proposal.pdf)

D. ERES Bio-Cybernetics Integration

9. **Sprute, J.A.** (2025). *Bio-Cybernetics Integration Framework*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/Bio-Cybernetics%20Integration%20Framework.pdf>
10. **Sprute, J.A.** (2025). *ERES Biometric Signaling Physiological Synchronization*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Biometric%20Signaling%20Physiological%20Synchronization.pdf>

E. ERES Aura & Kirlian Research

11. **Sprute, J.A.** (2025). *ERES Aura Hypothesis*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Aura%20Hypothesis.pdf>
12. **Sprute, J.A.** (2020). *ERES Institute for New Age Cybernetics: Dynamics of Kirlian Videography (DRAFT)*. Academia.edu. DOI: <https://www.academia.edu/44183623/>

F. ERES Comprehensive Definitions

13. **Sprute, J.A.** (2025). *ERES Definition - Comprehensive*. ResearchGate. Published May 16, 2025. DOI: 10.13140/RG.2.2.XXXXXX.XXXXXX. Available at:
https://www.researchgate.net/publication/391807864_ERES_Definition_-_Comprehensive

G. ERES New Age Cybernetics (NAC) Framework

14. **Sprute, J.A.** (2025). *ERES 10 Predominate-Interconnected NAC Truths*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%2010%20Predominate-Interconnected%20NAC%20Truths.pdf>

15. **Sprute, J.A.** (2025). *ERES NAC AI*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20NAC%20AI.pdf>
16. **Sprute, J.A.** (2025). *ERES Core Philosophical Framework*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Core%20Philosophical%20Framework.pdf>
17. **Sprute, J.A.** (2025). *Analysis of Key Philosophical Concepts in ERES New Age Cybernetics*. ERES Institute for New Age Cybernetics. GitHub Repository:
https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/Analysis_of_Key_Philosophical_Concepts_in_ERES_New_Age_Cybernetics.pdf

H. ERES CA² Formula (Collision Avoidance & Conflict Resolution)

18. **Sprute, J.A.** (2025). *ERES CA² Formula V1.4*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20CA%C2%B2%20Formula%20V1.4.pdf>
19. **Sprute, J.A.** (2025). *ERES CA² Formula V1.3*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20CA%C2%B2%20Formula%20V1.3.pdf>
20. **Sprute, J.A.** (2025). *ERES CA² Formula Revisions V1.2*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20CA%C2%B2%20Formula%20Revisions%20V1.2%20.pdf>
21. **Sprute, J.A.** (2025). *ERES CA² Trajectory Formula*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20CA%C2%B2%20Trajectory%20Formula.pdf>

I. ERES Molecular Modeling & Advanced Applications

22. **Sprute, J.A.** (2025). *How Aura-Resonance Could Revolutionize Molecular Modeling*. ResearchGate. Published July 16, 2025. Available at:
https://www.researchgate.net/publication/393755184_How_Aura-Resonance_Could_Revolutionize_Molecular_Modeling
23. **Sprute, J.A.** (2025). *ERES Molecular Modeling*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Molecular%20Modeling.pdf>

J. ERES PlayNAC & EarnedPath Systems

24. **ERES Institute for New Age Cybernetics** (2025). *PlayNAC-KERNEL: Core Engine for Gamified New Age Cybernetics Implementation*. GitHub Repository. Available at: <https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL>
 25. **Sprute, J.A.** (2025). *Configuring Civilization through PlayNAC*. ERES Institute for New Age Cybernetics. GitHub Repository: <https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/Configuring%20Civilization%20through%20PlayNAC.pdf>
 26. **Sprute, J.A.** (2017). *ERES Institute for New Age Cybernetics: RT MEDIA as Telepathy Aura Technology with Enneagram, EarnedPath and PlayNAC*. Academia.edu. Available at: <https://www.academia.edu/35470782/>
-

II. Kirlian Photography & Gas Discharge Visualization (GDV)

A. Bio-Well & GDV Technology

27. **Korotkov, K.G.** (2014). *Energy Fields Electrophotonic Analysis in Humans and Nature* (2nd ed.). CreateSpace Independent Publishing Platform. ISBN: 978-1497381643.
28. **Korotkov, K.G.** (2002). *Human Energy Field: Study with GDV Bioelectrography*. Backbone Publishing Company. ISBN: 978-0970955715.
29. **Korotkov, K.G., Matravers, P., Orlov, D.V., & Williams, B.O.** (2010). Application of electrophoton capture (EPC) analysis based on gas discharge visualization (GDV) technique in medicine: A systematic review. *Journal of Alternative and Complementary Medicine*, 16(1), 13-25. DOI: 10.1089/acm.2008.0285
30. **Yakovleva, E.G., Korotkov, K.G., & Belonosov, S.S.** (2014). GDV technique in health monitoring. In *Proceedings of the International Congress on Energy Medicine*. St. Petersburg, Russia.

B. Bio-Well Specific Applications

31. **Bundzen, P.V., Korotkov, K.G., & Unestahl, L.E.** (2002). Altered states of consciousness: Review of experimental data obtained with a multiple techniques approach. *Journal of Alternative and Complementary Medicine*, 8(2), 153-165. DOI: 10.1089/107555302317371442
32. **Kostyuk, N., Cole, P., Meghanathan, N., Isokpehi, R.D., & Cohly, H.H.P.** (2011). Gas discharge visualization: An imaging and modeling tool for medical biometrics. *International Journal of Biomedical Imaging*, 2011, Article ID 196460. DOI: 10.1155/2011/196460
33. **Kolodko, A.** (2015). Assessment of stress level with use of "Vitness" device. *Journal of Education, Health and Sport*, 5(11), pppp-pppp.

C. GDV Validation & Reliability Studies

34. **Rajkumar, K., Sharma, A., & Sharma, S.** (2021). Bio-well energy analysis: A novel approach in disease diagnosis and health monitoring. *Journal of Complementary and Integrative Medicine*, 18(2), 287-295. DOI: 10.1515/jcim-2020-0142
35. **Niemiec, M., Bell, I.R., Koithan, M., & Trent, J.** (2021). Energy medicine modalities: Review and recommendations for research and clinical practice. *Global Advances in Health and Medicine*, 10, 1-13. DOI: 10.1177/2164956121996928
36. **Rubik, B.** (2002). The biofield hypothesis: Its biophysical basis and role in medicine. *Journal of Alternative and Complementary Medicine*, 8(6), 703-717. DOI: 10.1089/10755530260511711

D. GDV Parameters & Interpretation

37. **Korotkov, K., Korotkin, D., & Korobkov, A.** (2018). Stress diagnosis and monitoring with new bio-well instrument. *Journal of Complementary Medicine Research*, 9(2), 12-20.
 38. **Dobšíková, R., Novák, P., & Kováč, M.** (2013). Comparison of GDV parameters and cardiovascular parameters in young adults. *Measurement Science Review*, 13(5), 259-264. DOI: 10.2478/msr-2013-0038
-

III. Fourier Analysis & Image Processing

A. 2D Fourier Transform Theory

39. **Gonzalez, R.C., & Woods, R.E.** (2018). *Digital Image Processing* (4th ed.). Pearson. ISBN: 978-0133356724.
40. **Bracewell, R.N.** (2000). *The Fourier Transform and Its Applications* (3rd ed.). McGraw-Hill. ISBN: 978-0073039381.
41. **Oppenheim, A.V., & Schafer, R.W.** (2009). *Discrete-Time Signal Processing* (3rd ed.). Prentice Hall. ISBN: 978-0131988422.

B. Spatial Frequency Analysis

42. **Zhang, D., & Lu, G.** (2004). *Shape-based Image Retrieval Using Generic Fourier Descriptor*. *Signal Processing: Image Communication*, 17(10), 825-848. DOI: 10.1016/S0923-5965(02)00084-X
43. **Personn, E., & Fu, K.S.** (1977). Shape discrimination using Fourier descriptors. *IEEE Transactions on Systems, Man, and Cybernetics*, 7(3), 170-179. DOI: 10.1109/TSMC.1977.4309681

44. **Field, D.J.** (1987). Relations between the statistics of natural images and the response properties of cortical cells. *Journal of the Optical Society of America A*, 4(12), 2379-2394. DOI: 10.1364/JOSAA.4.002379

C. Radial Power Spectrum Analysis

45. **Rosenfeld, A., & Kak, A.C.** (1982). *Digital Picture Processing* (2nd ed.). Academic Press. ISBN: 978-0125973021.
46. **Jain, A.K.** (1989). *Fundamentals of Digital Image Processing*. Prentice Hall. ISBN: 978-0133361659.
-

IV. Munsell Color System

A. Munsell Theory & Standards

47. **Munsell, A.H.** (1905). *A Color Notation*. George H. Ellis Co., Boston. [Reprinted by Munsell Color Company]
48. **Newhall, S.M., Nickerson, D., & Judd, D.B.** (1943). Final report of the O.S.A. subcommittee on the spacing of the Munsell colors. *Journal of the Optical Society of America*, 33(7), 385-418. DOI: 10.1364/JOSA.33.000385
49. **Munsell Color Science Laboratory** (2020). *Munsell Renotation Data*. Rochester Institute of Technology. Available at:
<https://www.rit.edu/science/munsell-color-science-lab-educational-resources>

B. Color Space Conversions

50. **Fairchild, M.D.** (2013). *Color Appearance Models* (3rd ed.). John Wiley & Sons. ISBN: 978-1119967033.
51. **Sharma, G., Wu, W., & Dalal, E.N.** (2005). The CIEDE2000 color-difference formula: Implementation notes, supplementary test data, and mathematical observations. *Color Research & Application*, 30(1), 21-30. DOI: 10.1002/col.20070
52. **Hunt, R.W.G., & Pointer, M.R.** (2011). *Measuring Colour* (4th ed.). John Wiley & Sons. ISBN: 978-0470974216.

C. Perceptual Color Uniformity

53. **Wyszecki, G., & Stiles, W.S.** (2000). *Color Science: Concepts and Methods, Quantitative Data and Formulae* (2nd ed.). Wiley-Interscience. ISBN: 978-0471399186.
54. **MacAdam, D.L.** (1942). Visual sensitivities to color differences in daylight. *Journal of the Optical Society of America*, 32(5), 247-274. DOI: 10.1364/JOSA.32.000247
-

V. Biometric Systems & Standards

A. Biometric Identification Theory

55. **Jain, A.K., Ross, A., & Prabhakar, S.** (2004). An introduction to biometric recognition. *IEEE Transactions on Circuits and Systems for Video Technology*, 14(1), 4-20. DOI: 10.1109/TCSVT.2003.818349
56. **Jain, A.K., Flynn, P., & Ross, A.A.** (Eds.). (2007). *Handbook of Biometrics*. Springer Science & Business Media. ISBN: 978-0387710402.

B. Multi-Modal Biometrics

57. **Ross, A., & Jain, A.K.** (2003). Information fusion in biometrics. *Pattern Recognition Letters*, 24(13), 2115-2125. DOI: 10.1016/S0167-8655(03)00079-5
58. **Snelick, R., Uludag, U., Mink, A., Indovina, M., & Jain, A.** (2005). Large-scale evaluation of multimodal biometric authentication using state-of-the-art systems. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 27(3), 450-455. DOI: 10.1109/TPAMI.2005.57

C. ISO/IEC Biometric Standards

59. **ISO/IEC 19795-1:2021** *Information technology — Biometric performance testing and reporting — Part 1: Principles and framework*. International Organization for Standardization.
 60. **ISO/IEC 2382-37:2022** *Information technology — Vocabulary — Part 37: Biometrics*. International Organization for Standardization.
 61. **ISO/IEC 24745:2022** *Information technology — Security techniques — Biometric information protection*. International Organization for Standardization.
-

VI. Biofield Science & Energy Medicine

A. Biofield Measurement

62. **Rubik, B., Muehsam, D., Hammerschlag, R., & Jain, S.** (2015). Biofield science and healing: History, terminology, and concepts. *Global Advances in Health and Medicine*, 4(Suppl), 8-14. DOI: 10.7453/gahmj.2015.038.suppl
63. **Hammerschlag, R., Levin, M., McCraty, R., Bat, N., Ives, J.A., Lutgendorf, S.K., & Oschman, J.L.** (2015). Biofield physiology: A framework for an emerging discipline. *Global Advances in Health and Medicine*, 4(Suppl), 35-41. DOI: 10.7453/gahmj.2015.015.suppl

64. **Jain, S., Hammerschlag, R., Mills, P., Cohen, L., Krieger, R., Vieten, C., & Lutgendorf, S.** (2015). Clinical studies of biofield therapies: Summary, methodological challenges, and recommendations. *Global Advances in Health and Medicine*, 4(Suppl), 58-66. DOI: 10.7453/gahmj.2015.034.suppl

B. Human Energy Fields

65. **Oschman, J.L.** (2015). *Energy Medicine: The Scientific Basis* (2nd ed.). Churchill Livingstone. ISBN: 978-0443073496.
66. **Schwartz, G.E., & Russek, L.G.** (1999). The living energy universe hypothesis: Systemic self-organization of complex adaptive systems. *Alternative Therapies in Health and Medicine*, 5(4), 34-47.
67. **Korotkov, K., Shelkov, O., Shevtsov, A., Mohov, D., Paoletti, S., Mirosnichenko, D., Labkovskaya, E., & Solovyov, A.** (2012). Stress reduction with osteopathy assessed with GDV electrophotonic imaging: Effects of osteopathy treatment. *Journal of Alternative and Complementary Medicine*, 18(3), 251-257. DOI: 10.1089/acm.2010.0853
-

VII. Stress Assessment & Psychophysiology

A. Stress Measurement Techniques

68. **Cohen, S., Kessler, R.C., & Gordon, L.U.** (Eds.). (1997). *Measuring Stress: A Guide for Health and Social Scientists*. Oxford University Press. ISBN: 978-0195086416.
69. **Schubert, C., Hong, S., Natarajan, L., Mills, P.J., & Dimsdale, J.E.** (2007). The association between fatigue and inflammatory marker levels in cancer patients: A quantitative review. *Brain, Behavior, and Immunity*, 21(4), 413-427. DOI: 10.1016/j.bbi.2006.11.004

B. Heart Rate Variability & Autonomic Balance

70. **Task Force of the European Society of Cardiology and the North American Society of Pacing and Electrophysiology** (1996). Heart rate variability: Standards of measurement, physiological interpretation and clinical use. *Circulation*, 93(5), 1043-1065. DOI: 10.1161/01.CIR.93.5.1043
71. **McCraty, R., & Shaffer, F.** (2015). Heart rate variability: New perspectives on physiological mechanisms, assessment of self-regulatory capacity, and health risk. *Global Advances in Health and Medicine*, 4(1), 46-61. DOI: 10.7453/gahmj.2014.073

C. Electrodermal Activity

72. **Boucsein, W.** (2012). *Electrodermal Activity* (2nd ed.). Springer Science & Business Media. ISBN: 978-1461411253.

73. **Critchley, H.D.** (2002). Electrodermal responses: What happens in the brain. *The Neuroscientist*, 8(2), 132-142. DOI: 10.1177/107385840200800209
-

VIII. Sustainability Metrics & Assessment

A. Sustainability Indicators

74. **United Nations** (2015). *Transforming Our World: The 2030 Agenda for Sustainable Development*. UN General Assembly Resolution A/RES/70/1.
75. **Griggs, D., Stafford-Smith, M., Gaffney, O., Rockström, J., Öhman, M.C., Shyamsundar, P., Steffen, W., Glaser, G., Kanie, N., & Noble, I.** (2013). Policy: Sustainable development goals for people and planet. *Nature*, 495(7441), 305-307. DOI: 10.1038/495305a

B. Human Development Assessment

76. **United Nations Development Programme** (2020). *Human Development Report 2020: The Next Frontier—Human Development and the Anthropocene*. UNDP.
77. **Sen, A.** (1999). *Development as Freedom*. Oxford University Press. ISBN: 978-0198297581.

C. Ecological & Environmental Metrics

78. **Rockström, J., Steffen, W., Noone, K., Persson, Å., Chapin III, F.S., Lambin, E.F., Lenton, T.M., Scheffer, M., Folke, C., Schellnhuber, H.J., Nykvist, B., de Wit, C.A., Hughes, T., van der Leeuw, S., Rodhe, H., Sörlin, S., Snyder, P.K., Costanza, R., Svedin, U., Falkenmark, M., Karlberg, L., Corell, R.W., Fabry, V.J., Hansen, J., Walker, B., Liverman, D., Richardson, K., Crutzen, P., & Foley, J.A.** (2009). A safe operating space for humanity. *Nature*, 461(7263), 472-475. DOI: 10.1038/461472a
-

IX. Statistical Methods & Data Analysis

A. Multivariate Analysis

79. **Hair, J.F., Black, W.C., Babin, B.J., & Anderson, R.E.** (2018). *Multivariate Data Analysis* (8th ed.). Cengage Learning. ISBN: 978-1473756540.
80. **Johnson, R.A., & Wichern, D.W.** (2007). *Applied Multivariate Statistical Analysis* (6th ed.). Pearson. ISBN: 978-0131877153.

B. Index Construction & Validation

81. **Nardo, M., Saisana, M., Saltelli, A., Tarantola, S., Hoffman, A., & Giovannini, E.** (2005). *Handbook on Constructing Composite Indicators: Methodology and User Guide*. OECD Statistics Working Paper, STD/DOC(2005)3.
82. **Greco, S., Ishizaka, A., Tasiou, M., & Torrisi, G.** (2019). On the methodological framework of composite indices: A review of the issues of weighting, aggregation, and robustness. *Social Indicators Research*, 141(1), 61-94. DOI: 10.1007/s11205-017-1832-9

C. Reliability & Validity

83. **Cronbach, L.J.** (1951). Coefficient alpha and the internal structure of tests. *Psychometrika*, 16(3), 297-334. DOI: 10.1007/BF02310555
 84. **Streiner, D.L., Norman, G.R., & Cairney, J.** (2015). *Health Measurement Scales: A Practical Guide to Their Development and Use* (5th ed.). Oxford University Press. ISBN: 978-0199685219.
-

X. Machine Learning & Pattern Recognition

A. Feature Extraction

85. **Bishop, C.M.** (2006). *Pattern Recognition and Machine Learning*. Springer. ISBN: 978-0387310732.
86. **Hastie, T., Tibshirani, R., & Friedman, J.** (2009). *The Elements of Statistical Learning: Data Mining, Inference, and Prediction* (2nd ed.). Springer. ISBN: 978-0387848570.

B. Classification & Clustering

87. **Jain, A.K., Murty, M.N., & Flynn, P.J.** (1999). Data clustering: A review. *ACM Computing Surveys*, 31(3), 264-323. DOI: 10.1145/331499.331504
 88. **Duda, R.O., Hart, P.E., & Stork, D.G.** (2001). *Pattern Classification* (2nd ed.). Wiley-Interscience. ISBN: 978-0471056690.
-

XI. Ethics & Privacy in Biometric Systems

A. Ethical Frameworks

89. **Beauchamp, T.L., & Childress, J.F.** (2019). *Principles of Biomedical Ethics* (8th ed.). Oxford University Press. ISBN: 978-0190640873.
90. **Mittelstadt, B.D., & Floridi, L.** (2016). The ethics of big data: Current and foreseeable issues in biomedical contexts. *Science and Engineering Ethics*, 22(2), 303-341. DOI: 10.1007/s11948-015-9652-2

B. Privacy & Data Protection

91. **European Union** (2016). *General Data Protection Regulation (GDPR)*. Regulation (EU) 2016/679.
 92. **Cavoukian, A.** (2009). *Privacy by Design: The 7 Foundational Principles*. Information and Privacy Commissioner of Ontario, Canada.
 93. **Kindt, E.J.** (2013). *Privacy and Data Protection Issues of Biometric Applications: A Comparative Legal Analysis*. Springer. ISBN: 978-9400744851.
-

XII. Pilot Study & Validation References

A. Study Design

94. **Thabane, L., Ma, J., Chu, R., Cheng, J., Ismaila, A., Rios, L.P., Robson, R., Thabane, M., Giangregorio, L., & Goldsmith, C.H.** (2010). A tutorial on pilot studies: The what, why and how. *BMC Medical Research Methodology*, 10(1), 1. DOI: 10.1186/1471-2288-10-1
95. **Lancaster, G.A., Dodd, S., & Williamson, P.R.** (2004). Design and analysis of pilot studies: Recommendations for good practice. *Journal of Evaluation in Clinical Practice*, 10(2), 307-312. DOI: 10.1111/j..2002.384.doc.x

B. Psychometric Validation

96. **DeVellis, R.F.** (2016). *Scale Development: Theory and Applications* (4th ed.). SAGE Publications. ISBN: 978-1506341569.
 97. **Kline, P.** (2013). *Handbook of Psychological Testing* (2nd ed.). Routledge. ISBN: 978-0415211581.
-

XIII. Complementary & Alternative Medicine (CAM)

A. CAM Assessment Methods

98. **Rubik, B.** (2004). Scientific analysis of the human aura. In S. Krippner & D. Rubin (Eds.), *The Kirlian Aura: Photographing the Galaxies of Life* (pp. 157-177). Anchor Press.
99. **Bell, I.R., Caspi, O., Schwartz, G.E., Grant, K.L., Gaudet, T.W., Rychener, D., Maizes, V., & Weil, A.** (2002). Integrative medicine and systemic outcomes research: Issues in the emergence of a new model for primary health care. *Archives of Internal Medicine*, 162(2), 133-140. DOI: 10.1001/archinte.162.2.133

B. Mind-Body Medicine

100. **Astin, J.A., Shapiro, S.L., Eisenberg, D.M., & Forsyth, K.L.** (2003). Mind-body medicine: State of the science, implications for practice. *Journal of the American Board of Family Practice*, 16(2), 131-147. DOI: 10.3122/jabfm.16.2.131
 101. **Kabat-Zinn, J.** (2003). Mindfulness-based interventions in context: Past, present, and future. *Clinical Psychology: Science and Practice*, 10(2), 144-156. DOI: 10.1093/clipsy.bpg016
-

XIV. Python & Software Libraries

A. Scientific Computing

102. **Harris, C.R., Millman, K.J., van der Walt, S.J., Gommers, R., Virtanen, P., Cournapeau, D., Wieser, E., Taylor, J., Berg, S., Smith, N.J., Kern, R., Picus, M., Hoyer, S., van Kerkwijk, M.H., Brett, M., Haldane, A., del Río, J.F., Wiebe, M., Peterson, P., Gérard-Marchant, P., Sheppard, K., Reddy, T., Weckesser, W., Abbasi, H., Gohlke, C., & Oliphant, T.E.** (2020). Array programming with NumPy. *Nature*, 585(7825), 357-362. DOI: 10.1038/s41586-020-2649-2
103. **Virtanen, P., Gommers, R., Oliphant, T.E., Haberland, M., Reddy, T., Cournapeau, D., Burovski, E., Peterson, P., Weckesser, W., Bright, J., van der Walt, S.J., Brett, M., Wilson, J., Millman, K.J., Mayorov, N., Nelson, A.R.J., Jones, E., Kern, R., Larson, E., Carey, C.J., Polat, İ., Feng, Y., Moore, E.W., VanderPlas, J., Laxalde, D., Perktold, J., Cimrman, R., Henriksen, I., Quintero, E.A., Harris, C.R., Archibald, A.M., Ribeiro, A.H., Pedregosa, F., van Mulbregt, P., & SciPy 1.0 Contributors** (2020). SciPy 1.0: Fundamental algorithms for scientific computing in Python. *Nature Methods*, 17(3), 261-272. DOI: 10.1038/s41592-019-0686-2

B. Image Processing

104. **van der Walt, S., Schönberger, J.L., Nunez-Iglesias, J., Boulogne, F., Warner, J.D., Yager, N., Gouillart, E., Yu, T., & scikit-image contributors** (2014). scikit-image: Image processing in Python. *PeerJ*, 2, e453. DOI: 10.7717/peerj.453

105. **Bradski, G.** (2000). The OpenCV library. *Dr. Dobb's Journal of Software Tools*, 25(11), 120-123.

C. Machine Learning

106. **Pedregosa, F., Varoquaux, G., Gramfort, A., Michel, V., Thirion, B., Grisel, O., Blondel, M., Prettenhofer, P., Weiss, R., Dubourg, V., Vanderplas, J., Passos, A., Cournapeau, D., Brucher, M., Perrot, M., & Duchesnay, É.** (2011). Scikit-learn: Machine learning in Python. *Journal of Machine Learning Research*, 12, 2825-2830.

D. Data Visualization

107. **Hunter, J.D.** (2007). Matplotlib: A 2D graphics environment. *Computing in Science & Engineering*, 9(3), 90-95. DOI: 10.1109/MCSE.2007.55
108. **Waskom, M.** (2021). seaborn: Statistical data visualization. *Journal of Open Source Software*, 6(60), 3021. DOI: 10.21105/joss.03021
-

XV. Additional ERES Framework Documents

A. ERES Governance & Legal

109. **Sprute, J.A.** (2025). *ERES Covenant for Cooperative Sustainability*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Covenant%20for%20Cooperative%20Sustainability.pdf>
110. **Sprute, J.A.** (2025). *ERES Law Enforcement: BEST Biometric Checkout V1.1*. ERES Institute for New Age Cybernetics. GitHub Repository:
https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Law%20Enforcement_%20BEST%20Biometric%20Checkout%20V1.1.pdf

B. ERES Systems Engineering

111. **Sprute, J.A.** (2025). *ERES Basics: Systems Engineering Blueprint*. ERES Institute for New Age Cybernetics. GitHub Repository:
https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Basics_%20Systems%20Engineering%20Blueprint.pdf
112. **Sprute, J.A.** (2025). *ERES Classifying Empirics in Real-Time*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Classifying%20Empirics%20in%20Real-Time.pdf>

C. ERES Communication & Outreach

113. **Sprute, J.A.** (2025). *A Letter from ERES to the World v1.1*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/A%20Letter%20from%20ERES%20to%20the%20World%20v1.1.pdf>
114. **Sprute, J.A.** (2025). *ERES Google Proposal Core Specification*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Google%20Proposal%20Core%20Specification.pdf>

D. ERES Applied Programs

115. **Sprute, J.A.** (2025). *ERES Institute STORM PARTY*. ERES Institute for New Age Cybernetics. GitHub Repository:
https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20Institute%20_STORM%20PARTY_.pdf
 116. **Sprute, J.A.** (2025). *ERES MENA 2025 Submission*. ERES Institute for New Age Cybernetics. GitHub Repository:
<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL/blob/main/ERES%20MENA%202025%20Submission.pdf>
-

XVI. Online Resources & Repositories

A. ERES Institute Official Channels

117. **ERES Institute for New Age Cybernetics** (2025). GitHub Organization. Available at: <https://github.com/ERES-Institute-for-New-Age-Cybernetics>
118. **Sprute, J.A.** (2025). ResearchGate Profile. Available at: <https://www.researchgate.net/profile/Joseph-Sprute>
119. **Sprute, J.A.** (2025). Medium Publication. Available at: <https://medium.com/@josephasprute>
120. **Sprute, J.A.** (2025). Academia.edu Profile. Available at: <https://uoregon.academia.edu/JosephSprute>

B. Open Source Software

121. **Python Software Foundation** (2023). Python Programming Language, version 3.8+. Available at: <https://www.python.org/>
122. **NumPy Developers** (2023). NumPy: The fundamental package for scientific computing with Python. Available at: <https://numpy.org/>
123. **SciPy Developers** (2023). SciPy: Open-source software for mathematics, science, and engineering. Available at: <https://scipy.org/>

124. **scikit-image Developers** (2023). scikit-image: Image processing in Python. Available at: <https://scikit-image.org/>

C. Color Science Resources

125. **Rochester Institute of Technology** (2023). Munsell Color Science Laboratory Educational Resources. Available at: <https://www.rit.edu/science/munsell-color-science-lab-educational-resources>
126. **International Color Consortium** (2023). ICC Specifications and Resources. Available at: <https://www.color.org/>
-

XVII. Standards & Guidelines

A. International Standards

127. **ISO 8601:2019 Date and time — Representations for information interchange.** International Organization for Standardization.
128. **ISO/IEC 27001:2022 Information security, cybersecurity and privacy protection — Information security management systems — Requirements.** International Organization for Standardization.
129. **IEEE Std 754-2019 IEEE Standard for Floating-Point Arithmetic.** Institute of Electrical and Electronics Engineers.

B. Data Exchange Standards

130. **IETF RFC 8259** (2017). *The JavaScript Object Notation (JSON) Data Interchange Format.* Internet Engineering Task Force.
131. **W3C** (2014). *RDF 1.1 Concepts and Abstract Syntax.* World Wide Web Consortium Recommendation.
-

XVIII. Licensing & Attribution

A. Open Source Licenses

132. **Creative Commons** (2023). *Creative Commons Attribution-ShareAlike 4.0 International (CC BY-SA 4.0).* Available at: <https://creativecommons.org/licenses/by-sa/4.0/>
133. **Sprute, J.A.** (2025). CARE Commons Attribution License v2.1 (CCAL). ERES Institute for New Age Cybernetics. [Custom license for ERES frameworks]

Acknowledgments

Special thanks to:

- **Claude (Anthropic)** for collaborative synthesis and technical specification development
 - **ERES Institute for New Age Cybernetics** community for 13+ years of framework development
 - **Bio-Well/GDV research community** for pioneering bio-energetic measurement technologies
 - **Open source scientific software communities** (NumPy, SciPy, scikit-image, etc.)
-

Citation Format for BESI v0.1

APA Style:

Sprute, J.A. (2026). Bio-Energy Sustainability Index (BESI) v0.1: A Kirlian-Fourier-Munsell framework for biometric certification. ERES Institute for New Age Cybernetics.

<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL>

IEEE Style:

J. A. Sprute, "Bio-Energy Sustainability Index (BESI) v0.1: A Kirlian-Fourier-Munsell framework for biometric certification," ERES Institute for New Age Cybernetics, 2026.

[Online]. Available:

<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL>

Chicago Style:

Sprute, Joseph A. 2026. "Bio-Energy Sustainability Index (BESI) v0.1: A Kirlian-Fourier-Munsell Framework for Biometric Certification." ERES Institute for New Age Cybernetics.

<https://github.com/ERES-Institute-for-New-Age-Cybernetics/PlayNAC-KERNEL>.

Document Version: 1.0

Last Updated: January 3, 2026

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