

# POINTERS & REFERENCES

All these are recommended, only some are cited on this page.

## BOOKS

- B1** Abraham, F. D., Abraham, R. H., & Shaw, C. D. (1990). A visual introduction to dynamical systems theory for psychology. Aerial Press.
- B2** Checkland, P. (2000). Systems thinking, systems practice: includes a 30-year retrospective. Journal-Operational Research Society, 51(5), 647-647.
- B3** Hester, P. T., & Adams, K.M. (2017). Systemic decision making. Springer International Publishing AG.
- B4** Van Hinte, E., & Van Tooren, M. J. L. (2008). First read this: Systems Engineering in Practice. 010 Publishers.
- B5** Meadows, D. H. (2008). Thinking in systems: A primer. Chelsea Green Publishing. Especially chapter 1 & 9
- B6** Parker, M. (2019). Humble Pi: A Comedy of Maths Errors. Penguin UK.
- B7** Rosling, H., Rosling, O., & Rönnlund, A. R. (2019). Factfulness: ten reasons we're wrong about the world - and why things are better than you think.
- B8** Stroh, D. P. (2015). Systems thinking for social change: A practical guide to solving complex problems, avoiding unintended consequences, and achieving lasting results. Chelsea Green Publishing.
- B9** Sweeney, L. B., & Meadows, D. (2010). The systems thinking playbook: Exercises to stretch and build learning and systems thinking capabilities. Chelsea Green Publishing
- B10** Weinberg, G. M. (1975). An introduction to general systems thinking (Vol. 304). New York: Wiley. Especially chapter 1&7.

## CHAPTERS

- C1** Jones, P. H. (2014). Systemic design principles for complex social systems. In <editors> Social systems and design (pp. 91-128). Springer, Tokyo.
- C2** Monat, J. P., & Gannon, T. F. (2015). What is systems thinking? A review of selected literature plus recommendations. American Journal of Systems Science, 4(1), 11-26.
- C3** Sevaldson, B. (2018). Visualizing Complex Design: The Evolution of Gigamaps. In Jones, P. & Kijima, K. (Eds) Systemic Design (pp. 243-269). Springer, Tokyo.
- C4** Stewart, I. (1992) Another Fine Math You've Got Me Into... New York: Freeman. Chapter 3: Through the Evolvoscope, p 33-50.
- C5** Taysom, E., & Crilly, N. (2018). On the Resilience of Sociotechnical Systems. In Jones, P. & Kijima, K. (Eds) Systemic Design (pp. 145-171). Springer, Tokyo.

## LINKS

- L1** [https://en.wikipedia.org/wiki/System\\_\(disambiguation\)](https://en.wikipedia.org/wiki/System_(disambiguation))
- L2** <https://en.wikipedia.org/wiki/System>
- L3** [https://en.wikipedia.org/wiki/Logistic\\_map](https://en.wikipedia.org/wiki/Logistic_map)
- L4** Control Theory Demo <https://studiolab.io.tudelft.nl/controltheory/demo.html>

## PAPERS

- P1** Borst, C., Flach, J. M., & Ellerbroek, J. (2014). Beyond ecological interface design: Lessons from concerns and misconceptions. IEEE Transactions on Human-Machine Systems, 45(2), 164-175.
- P2** Hoffman, R. R., Norman, D. O., & Vagners, J. (2009). "Complex Sociotechnical Joint Cognitive Work Systems"? IEEE Intelligent Systems, 24(3), 82-c3.
- P3** Snowden, D. J., & Boone, M. E. (2007). A leader's framework for decision making. Harvard Business Review, 85(11), 68.
- P4** Zeeman, E. C. (1976). Catastrophe theory. Scientific American, 234(4), 65-83.

## PODCASTS

- Pc1** Syed, M. (2020) Looping the Loop. BBC Podcast Sideways <https://www.bbc.co.uk/programmes/m000sr4s>

## STUFF PJ WORKED ON HIMSELF

- S1** Norman, D. A., & Stappers, P. J. (2015). DesignX: complex sociotechnical systems. She Ji: The Journal of Design, Economics, and Innovation, 1(2), 83-106.
- S2** Maldini, I., & Stappers, P. J. (2019). The wardrobe as a system: exploring clothing consumption through design fiction. Journal of Design Research, 17(1), 3-25.
- S3** Postma, C. E., & Stappers, P. J. (2006). A vision on social interactions as the basis for design. CoDesign, 2(3), 139-155.
- S4** Stappers, P. J. & Flach, J.M. (2004, October 13-14). Visualizing cognitive systems: Getting past block diagrams. Paper presented at the IEEE International Conference on Systems, Man and Cybernetics, the Hague, Netherlands.

## VIDEOS

- V1** Pariser, E. (2011) Beware online filter bubbles. TEDTalk on Youtube. <https://www.youtube.com/watch?v=B8ofWfX525s>
- V2** Sustainable Human (2014) How Wolves Change Rivers. Youtube. <https://www.youtube.com/watch?v=ysa50BhXz-Q>
- V3** Veritasium (2019) Can you Swim in Shade Balls? YouTube. <https://www.youtube.com/watch?v=BZbChKzedEk>
- V4** Veritasium (2020) This Equation will change how you see the World. YouTube. <https://youtu.be/ovJcsL7vyrk>
- V5** Steinhart, E. (2015) An introduction to Conway's The Game of Life. YouTube. <https://www.youtube.com/watch?v=ouipbDkwHWA>
- V6** Mengelvang Hansen, J. (2015) Conway's game of Life – The 'Acorn' YouTube. <https://www.youtube.com/watch?v=Aq51GfPmD54>
- V7** Rational Animations (2011) Epic Conway's game of life. YouTube. <https://www.youtube.com/watch?v=C2vgICfQawE>