# Glossary of memory system terms

## A-C

**\*aggregation –** independent items in a memory image sequence.  
Synonyms: containment.  
**Examples:** memory images associated to a peg system, files in a filing cabinet.

**\*associate** – to store a memory image using an association.  
**Synonyms**: to tie, to link, to bind  
**Examples**: a tie makes me think of a man with a suit, a man with a suit makes me think of a person doing business, doing business makes me think of making money, making money makes me think storing it in a bank, a bank makes me think of having armed guards with arm patches.

**\*association –** the logic between an image key and an image value by a consistent means.  
**Synonyms**: the glue, mortar, a pointer, a hook, storing an image value, a curtain-line between play acts.  
**Examples**: tie -> suit, suit-> business, business -> money, money -> bank, bank -> armed guards, armed guard -> stagecoach logo (Wells Fargo).

association memory image range – the number of memory images that are necessary to learn to use a visualization system, used as a metric for visualization system comparisons.

association point – the connection of an association that is used for a metric of system process efficiency.

**\*association value** – the meaningfulness of the association.  
**Synonyms**: link strength. association relevancy.  
Examples: A dog with a name and breed you don’t know, a dog from a breed you know, a dog that you have seen, a dog you have owned recently, or a dog you grew up with and the association with another memory image. Also, the dog must have a believable interaction with the other image to be strong.

**\*background** – the surrounding details for a sequence of locations.   
**Synonyms**: a room, a locus (the original definition), the context, the environment, a theme, a station, a stage, a scene, a milestone.  
Examples: a shopping mall, a hospital, a church building, a park, under the ocean, a long time ago in a galaxy far, far away.

**\*composition** – memory images in a memory image sequence dependent on that sequence image.  
Synonyms: containment, parent-child relationship, nesting, Russian doll.  
**Examples:** fingers on a hand, locations on a memory object.

## D-H

**\*data** – values that communicates no useful meaning.  
**Synonyms**: characters, digits, glyphs  
**Examples:** M O 5 G 6 A 3 W 4 / 6 / 2 0 2 1 ( 2 1 6 ) – 2 3 4 – 5 6 7 8 7 p m a b a 1101100 1101100

**\*encode –** to transform a type of data into a different type of data.  
**Synonyms**: to encrypt.  
**Examples**: A -> 1, a -> 32, a -> aah.

encoding point – the mapping of a value that is used as a metric of system process efficiency.

**\*encoding rule** – a description using variables and a result for transforming one data type to another non-image data type.  
**Synonyms**: to encrypt, to map.  
**Examples**: upper- or lower-case letter starting at A encodes to one and increments by one until Z ends at 26-, upper- or lower-case letter starting at A encodes to a type of fruit or vegetable starting with that letter.

**\*encoding system** – a set of rules used to map one data type to another non-image data type or provide a traversal method  
**Synonyms**: a set of mappings.  
Examples: The Major system, number-peg system.

## I-L

**\*image enhancement** - imaginary details added to a memory image that will not be decoded.  
**Synonyms:** window dressing, decorating, providing realism, increasing resolution or granularity. **Examples**: A person, a fictional being, an action, an object, location, a role/profession/costume, or other qualities.

**\*image key** – a memory image associated with one or more image values in any visualization system.  
**Synonyms**: a location, an anchor point, storage point, data point, an encoded image, a locus (improper use).  
**Examples**: a ball rolls on a tile floor towards Albert Einstein and knocks him down,

**\*image value –** a memory image associated with an image key in any visualization system.  
**Synonyms**: a link.  
**Examples**: Albert Einstein gets up off the floor and sees the ball that rolled over and knocked him down.

**\*information** – aggregated data that has an implied association so that meaning can be derived  
**Synonyms**:   
**Examples:** MO 5G6 A3W, 4/6/2021, (216)-234-5678, 7 pm, a ball.

**\*journey** – a type of visualization system using a rule-based traversal to recall objects.  
**Synonyms**: a theme.  
**Examples**: a songline, a lukasa, a room using a cube traversal method, a play with time-ordered events.

**\*key-value system –** a type of memory system which uses a piece of information mapped to an memory image traversed by their association.  
**Synonyms**:   
**Examples**:

\*knowledge – aggregated information that has value for making a decision.  
**Synonyms**:   
**Examples:** My license plate number MO 5G6 A3W will expire on 4/6/2021, call me on my cell phone at (216)-234-5678 at 7 pm about our baseball game.

**\*lukasa** – a type of journey visualization system encoding knowledge on a portable object covered with beads or shells, enhanced by carvings, used by the Bambudye, the memory experts of the Luba people in the Congo, mostly during the eighteenth century.  
**Synonyms**: a memory board.   
**Examples**: [Brooklyn Museum lukasa memory board](https://en.wikipedia.org/wiki/Lukasa_(Luba)#/media/File:Brooklyn_Museum_76.20.4_Lukasa_Memory_Board.jpg).

## M-N

**\*memory image** – a recalled visual depiction of a sentence with subject, verb, and direct object. **Synonyms**: stored image, stored key, stored value, a brick.  
**Examples**: a ball sits on the floor, a baseball hits the pitcher in the head, a gigantic ball rolls over the Empire State Building.

**\*memory image association** – a type of visualization system with a single memory image associated to some information or knowledge.  
**Synonyms**: an entry  
**Examples**: a simple association (AE = Albert Einstein) or a symbol (a group of stars = Leo the lion).

**\*memory image composite** – a complex memory image that has associations to more than one subject, an action, direct object, and/or a location. **Synonyms**: rich image, enhanced image.  
**Examples**: a baseball hits the pitcher in the head who is wearing a rabbit costume and the ball gets stuck in his ear and makes him yell for help.

**\*memory image sequence** – a type of visualization system with multiple memory images where one memory image triggers the traversal of the sequence.  
**Synonyms**: a movie,   
**Examples**: a narrative sequence (a baseball hits the pitcher in the head who pulls the ball out of his large rabbit ear and uses it to write on a blackboard) or a rule-based sequence (a baseball made of wood [1] hits a bearded pitcher on top of his ark [2] who falls over on to freshly mowed [3] grass).

memory image trigger – the memory image that is first in the sequence of multiple memory images of a visualization system.  
**Synonyms**:   
**Examples**:

**memory grid**—a memory system attributed mainly to 12th century scholastic Hugh of Saint-Victor. Numbers in the boxes were the keys to the contents of the boxes.  
**Synonyms**:   
**Examples**:

**memory object** - a physical object with a traversal system other than a story.   
**Synonyms**: a pattern palace (@r30)  
**Examples**:

**memory palace –** an object made up of weakly associated backgrounds and no traversal system.  
**Synonyms**: method of loci (low’-sigh), Roman room technique (one background)  
**Examples:** a house with various rooms.

**mondegreen:** a word or phrase that results from a mishearing of something said or sung.  
**Synonyms**:   
**Examples**:

**narrative logic** – associations that act as either key or value and have meaning for establishing the connections. Actions, events, intentions, thoughts, beliefs, values, and feelings of characters and narrators, or otherwise elucidate details not included in the narrative.  
**Synonyms**:   
**Examples**:

**nested key –** an image key associated with one or more other image keys.   
**Synonyms**: a locus (improper use), composed key, Russian doll, zooming in.  
**Examples**: A museum, a room, a painting, a person, a piece of clothing.

## O-R

**ordered list** - A naturally ordered set of elements.  
**Synonyms**:   
**Examples:** positive integers, any alphabet, places along a favorite walk.

**partial memory image** – a portion of a memory image composite. **Synonyms**:   
**Examples**:

**party** - any sort of person, group of people, or an organization.   
**Synonyms**:   
**Examples**:

**peg** – predetermined memory images created from an ordered sequence for associating images  
**Synonyms**: a list item, a list key.  
**Examples**:

peg **system** - a type of traversal or encoding system based on an ordered list.  
Synonyms**:** map.  
Examples: PAO system.

**phantasmagoria** - a sequence of real or imaginary images like those seen in a dream.  
**Synonyms**:   
**Examples**:

**rich memory image** – an memory image with some type of enhancing.  
**Synonyms**:   
**Examples**:

**recall –** to restore the original information that produced encoded information.  
**Synonyms**: to decode, to decrypt, to remember.  
**Examples**:

**repeating pattern palace** – a memory palace where each background uses the same traversal extension.  
**Synonyms**: stencil palace (@r30)  
**Examples**:

**\*rule -** a formal description of a decision made by using a set of variables and ending with a result for each unique combination of variable values.  
**Synonyms**: if-then statement, algorithm, policy item.  
Examples: if x is > 3 and y is < 5 then go right, if a word is alphabetically higher in value than the compared word and neither begin with a symbol then place it after the first word.

## S- U

**scene** – a structuring principle of narrative logic where all associations revolve around an enhancing type.  
**Synonyms**:   
**Examples**:

**soundalike**: a mnemonic aid image purposely created to help associate to a less memorable word.  
**Synonyms**: Substitute Word, audionym (Dean Vaughn).  
**Examples**:

**story –** a type of visualization system where many pieces of information mapped to memory images traversed by narrative logic. Image values are also image keys which support building associations.  
**Synonyms**: the mnemonic link system, the chain method, a doubly linked list.  
**Examples**:

subtizing - the ability to quickly grasp how many items there are in your visual field without counting.

**\*tautology** - saying the same thing twice in different words.  
**Synonyms**: synonym.  
Examples: First president and George Washington, the apple state and the state of Washington.

**translate** – to transform a type of information into a different type of information.  
**Synonyms**:   
Examples: English word to Spanish word, written word to visual image, narrative to song.

**\*traversal rule** –a rule for recalling the order of a sequence of memory images.  
**Synonyms**: direction, equation.  
Examples: alphabetic, numeric, small to large, left to right, low to high pitch, clockwise.

**\*traversal system** – a set of traversal rules for a sequence of memory images so that all of them can be completely recalled.  
**Synonyms**: completeness test, path.  
**Examples**: a narrative, an imposed sequence, hiking trail.

**\*traverse** – recalling an memory image based on a known memory image using a rule.  
**Synonyms**: changing focus, moving from link to link, traveling to the next locus.  
**Examples**:

## V-Z

\*visualization system – a memorization method for creating memory images.  
**Synonyms**:   
Examples: Simple association, story, pegs, symbol, memory object or palace, and journey.

**\*visualization system extension** – a visualization system associated to another visualization system.   
**Synonyms**: a stencil, a template, a motif, a pattern, a portal.  
**Examples**: a Massive Memory Palace.  
References: @r30 on Art of Memory in RGB system May 2015

\*wisdom – aggregated knowledge that has value for helping other people make decisions  
**Synonyms**: governance, strategic decisions, legends, fables.  
**Examples:** License plates are best renewed a month early, you should get in some extra baseball practice on bunts because of the pitcher that you are going up against.