



2017

annual **INCOSE**
international workshop

Los Angeles, CA, USA

January 28 - 31, 2017

Announcing the 3rd Annual **INCOSE Institute for Technical Leadership**

The INCOSE Institute for Technical Leadership



***“A development
program for active
INCOSE members
seeking to improve
their leadership skills
in an open,
collaborative
environment.”***

- **Purpose**

- Accelerate the development of systems engineering leaders who will exemplify the best of our organization and our profession

- **Benefits**

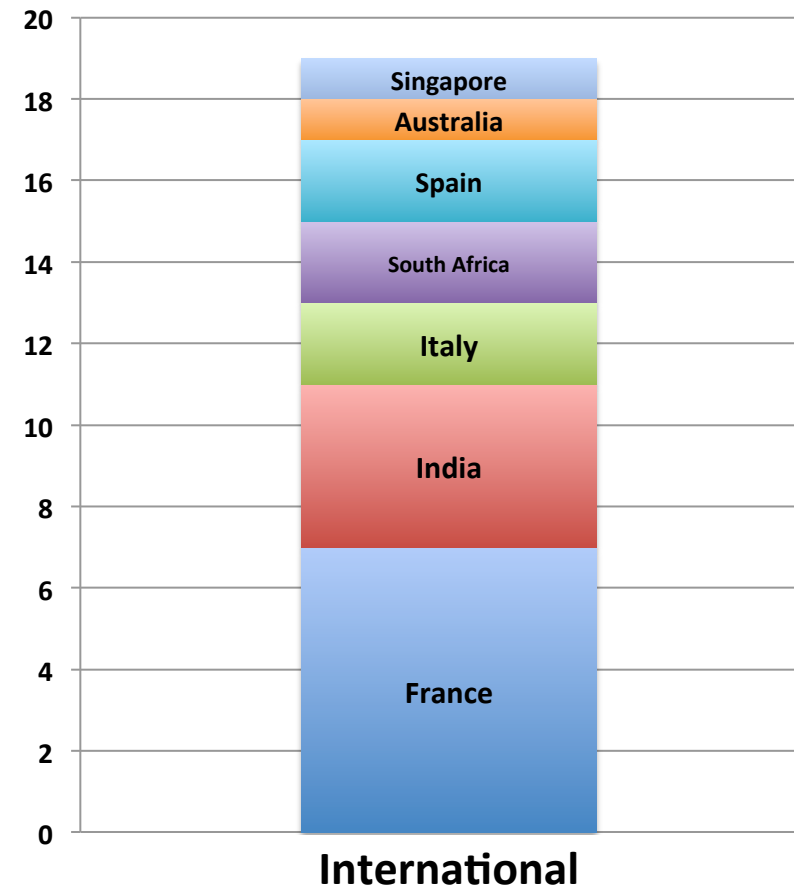
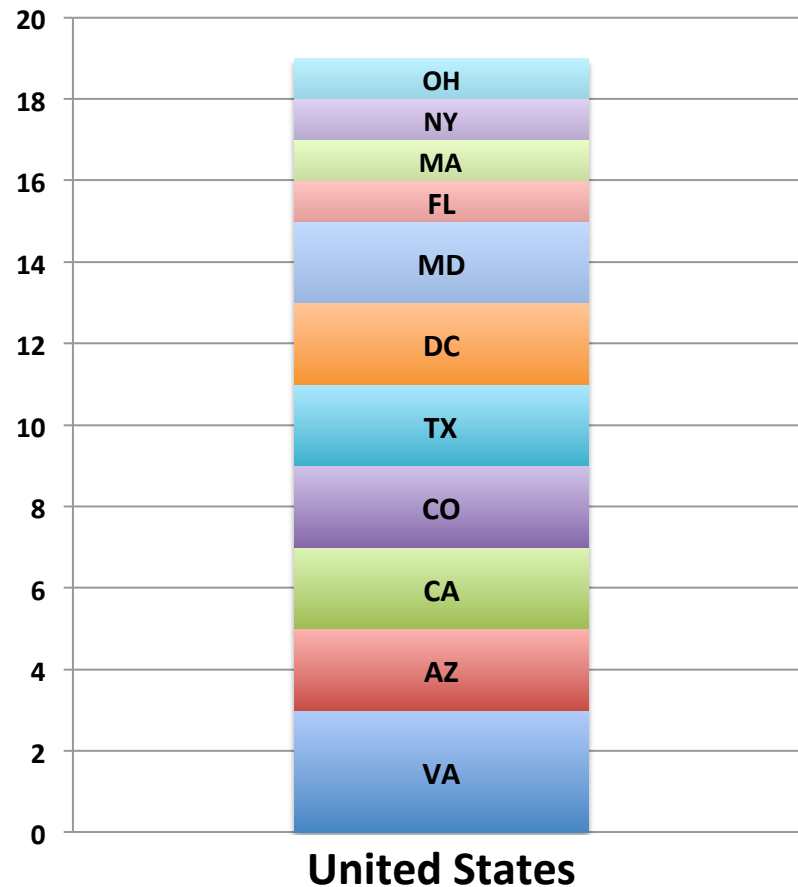
- Individual members become more capable leaders
- INCOSE has a growing pool of leaders to draw on
- INCOSE’s international reputation will be enhanced

- **Program Overview**

- Two-year program; new cohort formed annually
- Four events in Year 1: two face-to-face, two webcast
- Second year primarily a virtual experience
- Individual and group project work between events
- Each cohort mentors the one following
- Candidates must be nominated by an INCOSE Leader

The INCOSE Institute for Technical Leadership

PARTICIPANTS



***38 participants, 5 continents, 8 countries
and 11 U.S. states!***



Inaugural Cohort

“Introduced a Technical Leadership Model at IS 2016”

Building a Technical Leadership Model – Invited Paper

- *Hold the Vision*
- *Think Strategically*
- *Foster Collaboration*
- *Communicate Effectively*
- *Enable Others to be Successful*
- *Demonstrate Emotional Intelligence*

World Café Discussions

Participants shared their observations and experiences of technical leadership to help improve the model.



Interactive Panel Session

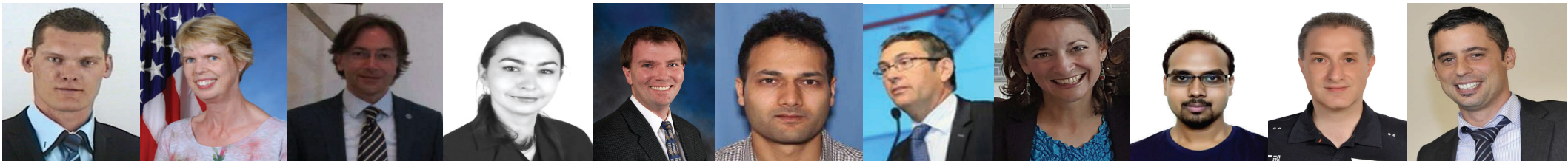
Participants explored and evaluated the model in an interactive engagement with their INCOSE peers.

Second Cohort

“Undertaking Five Projects”



- Technical Leadership Model Analysis and Improvement
- Mentorship Perspectives for Technical Leaders
- Incorporating the Cynefin Framework into the Leadership Model
- Leadership Competencies for SE Practitioners, Senior Practitioners and Experts
- Technical Leadership Implications for Systems Engineering





Applications

Applicants must be nominated by an INCOSE leader and submit an application package that includes:

- Nominating letter from an INCOSE Board Member, Director, Assistant Director or Chapter President
- Letter of recommendation and support from candidate's home organization, including recognition of the required two-year commitment
- Personal statement describing the expected benefits to the candidate, his or her organization, and INCOSE
- Resume describing positions held and specific systems engineering accomplishments



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Nomination Criteria

Nominees should be chosen based on their *proven*:

- Aptitude in both systems engineering and technical leadership
- Comfort working in an uncertain world and ability to tackle wicked, messy problems
- Interest in and commitment to enhancing personal systems engineering leadership
- Potential for assuming positions of greater leadership in the future

In addition, nominating letters should describe a *specific instance* in which the candidate has demonstrated one or more of the following:

- Held the vision
- Thought strategically
- Fostered collaboration
- Communicated effectively
- Enabled others to be successful
- Demonstrated emotional intelligence

(Each of these behaviors is described in more detail in the Appendix)



Nomination Process

- Nominating letters should be sent both to the nominee and to info@incose.org
- Once nominated, participants should assemble an application package that includes:
 - Nominating letter
 - Letter of organizational support
 - Personal statement
 - Resume

Completed application packages should be zipped and e-mailed to info@incose.org not later than **March 15, 2017**.



For more information, please contact
michael.pennotti@stevens.edu

- Presentation Slides
- Instructions for Applicants
- What Benefits Can I Expect?



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Appendix



Nominating Letter Requirement

Describe a ***specific instance*** in which the nominee has demonstrated one or more of the following:

- Held the vision
- Thought strategically
- Fostered collaboration
- Communicated effectively
- Enabled others to be successful
- Demonstrated emotional intelligence

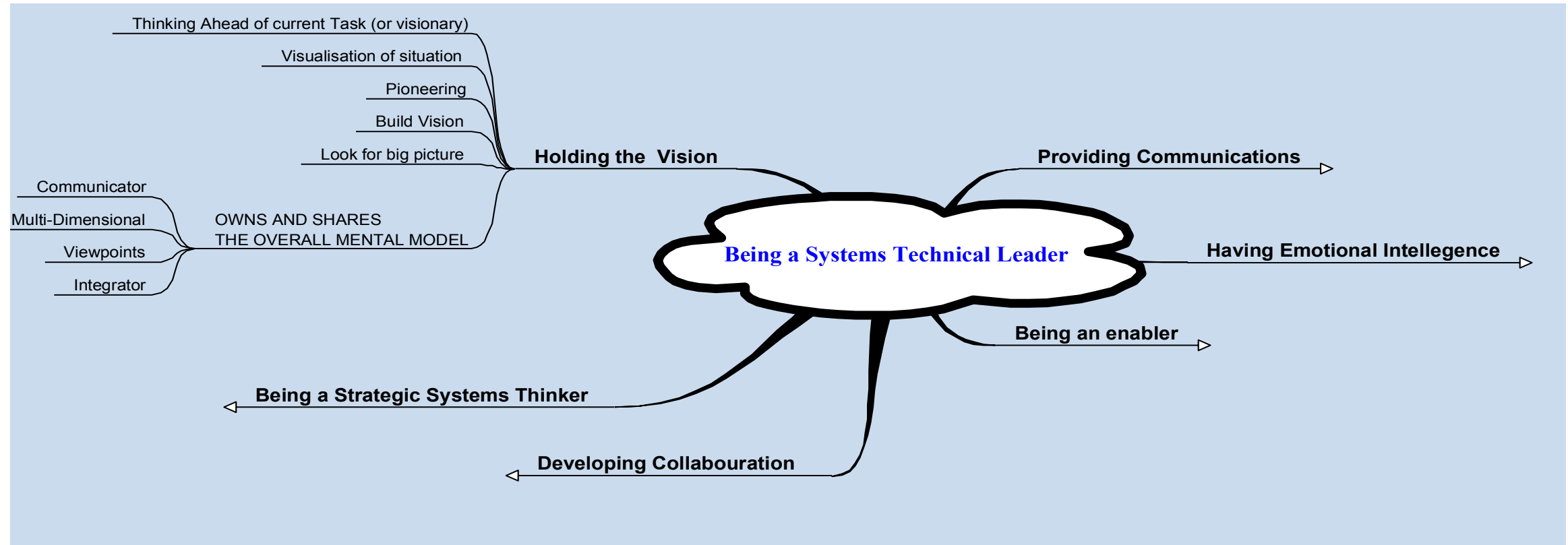


SE Technical Leadership Model

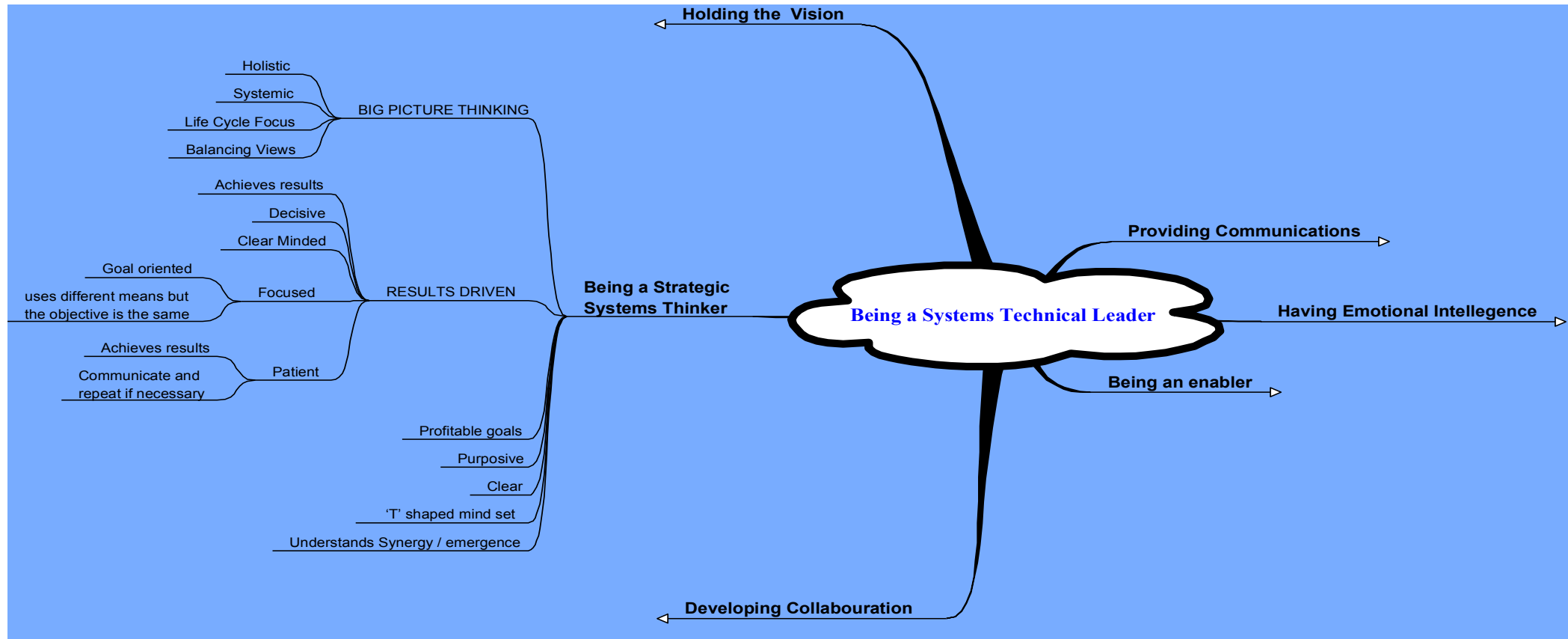
Ref: Godfrey, Building a Technical Leadership Model, Invited Paper, IS 2016

- **What:** A shared INCOSE leadership model
- **Who:** Developed as a collaborative learning initiative by the first cohort of the INCOSE Institute
- **Why:** Provides a cohort definition of systems technical leadership in their engineering environment
- **How:** “Being a systems technical leader” is defined by six interdependent branches of a mind map
 - Each branch is elaborated in the following slides

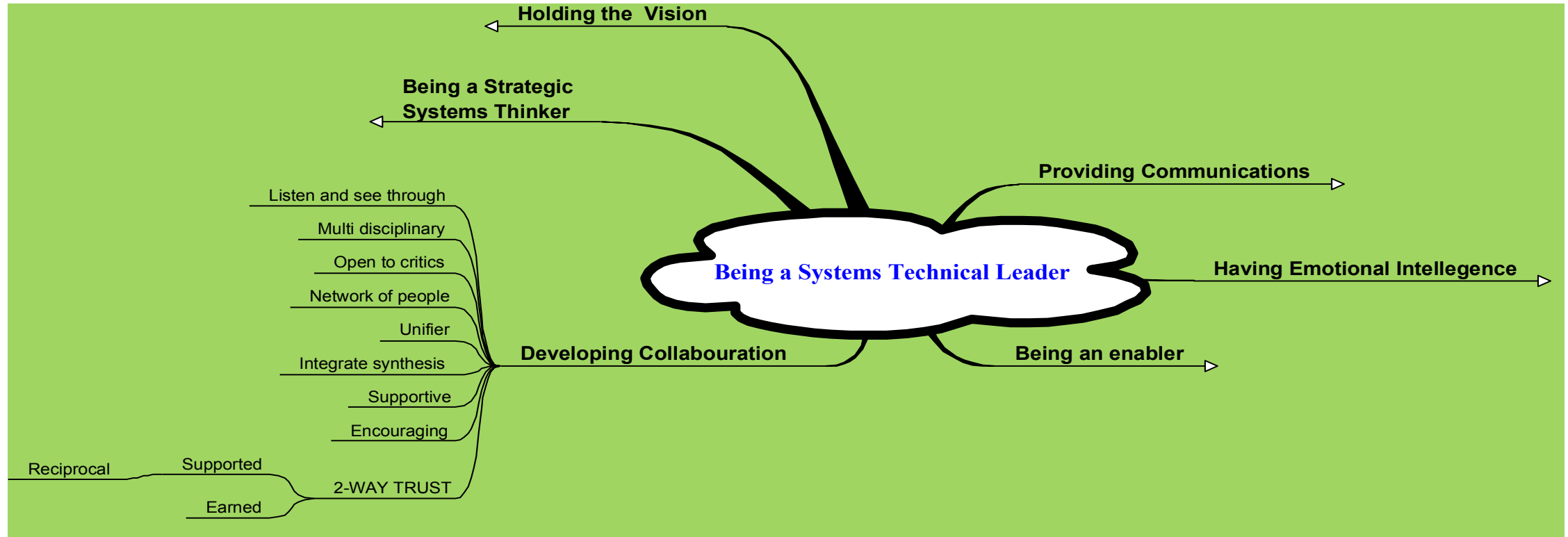
Holding the Vision



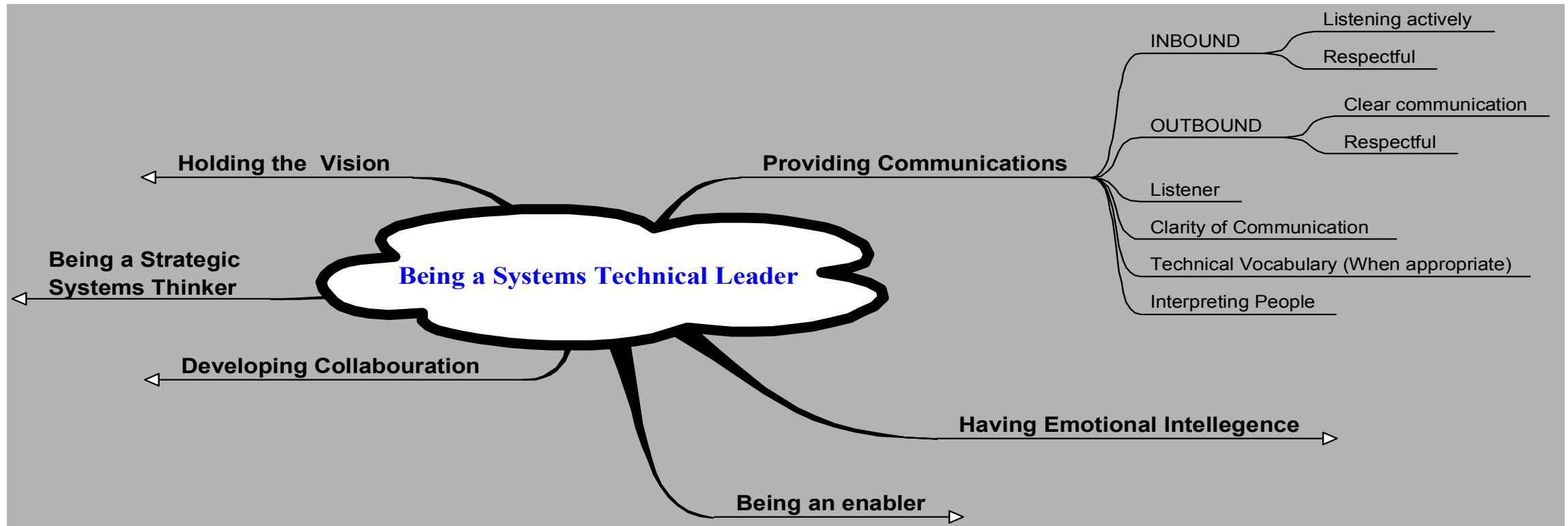
Thinking Strategically



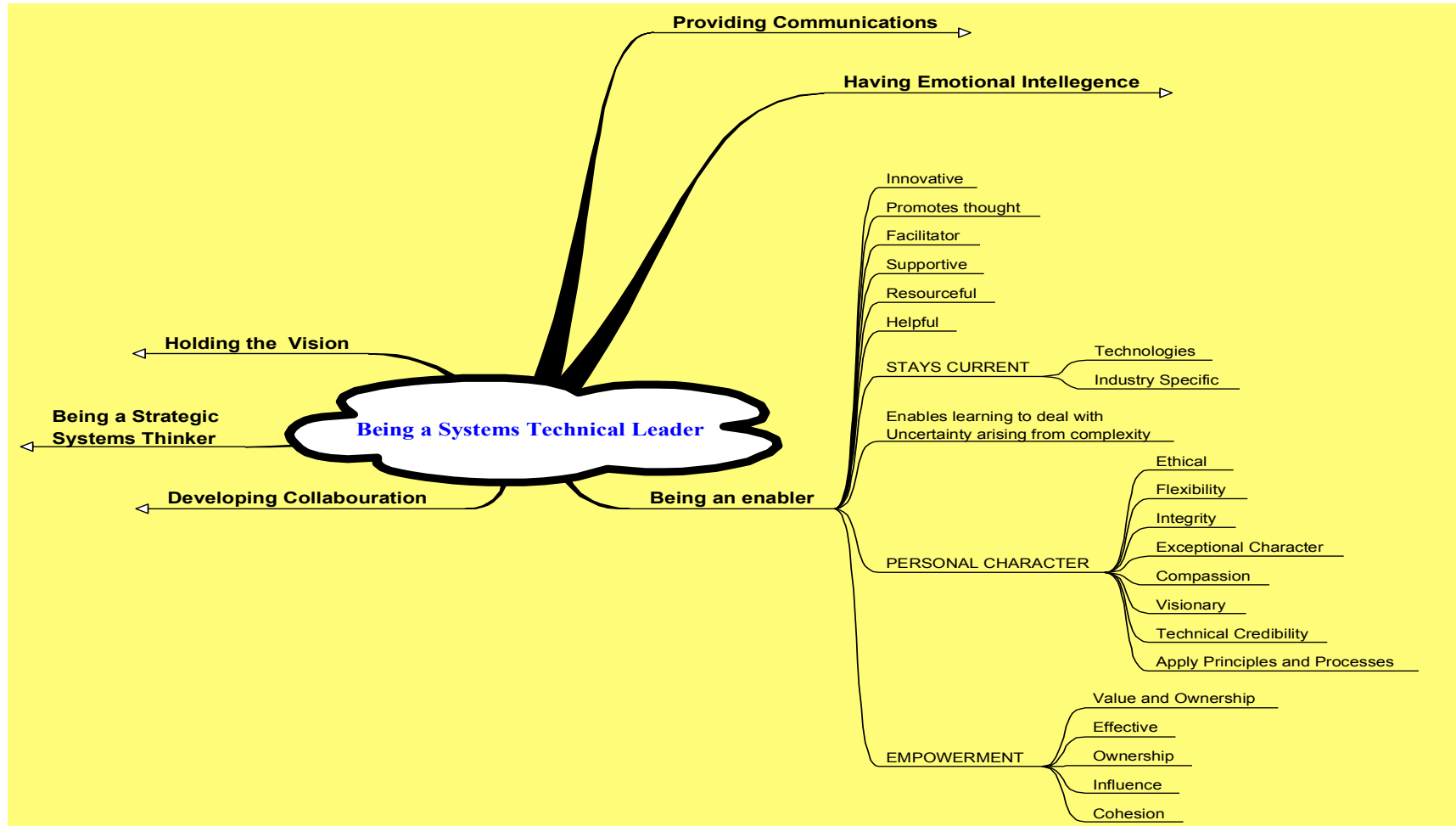
Fostering Collaboration



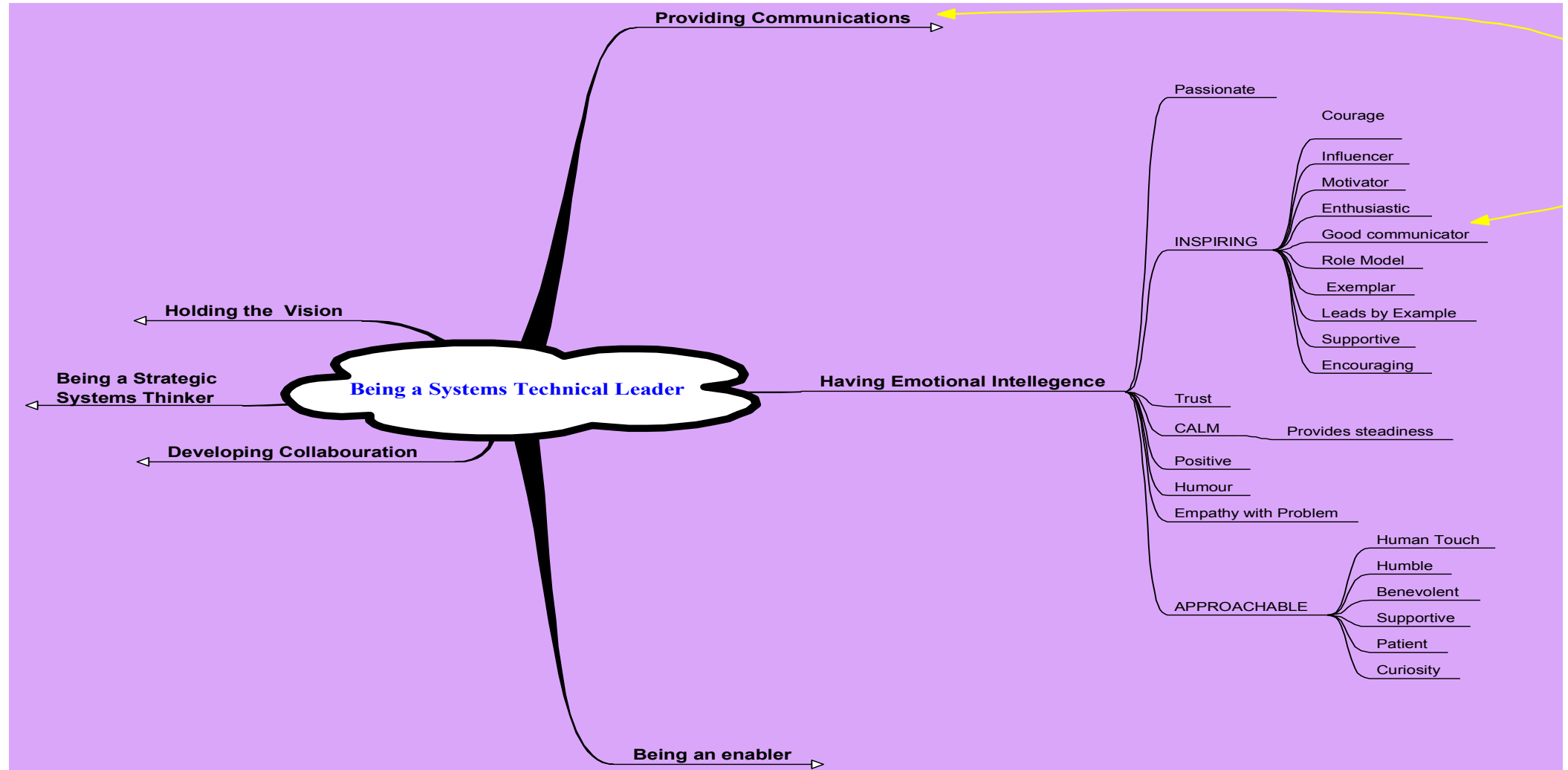
Communicating Effectively



Enabling Others to Be Successful



Demonstrating Emotional Intelligence





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