

Training Course on Integrated Management Systems and Development of Safety Culture

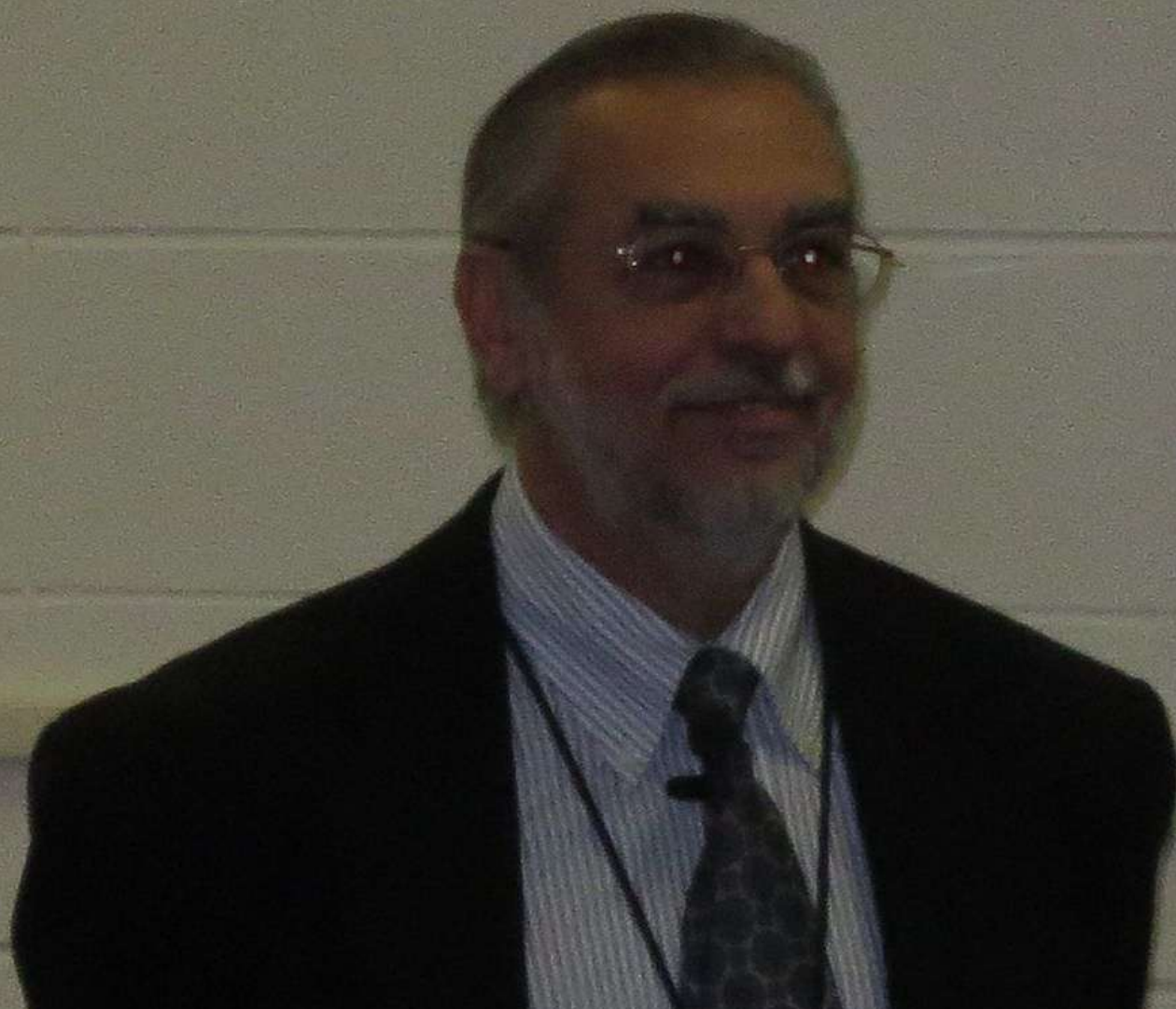
5-16 November 2012



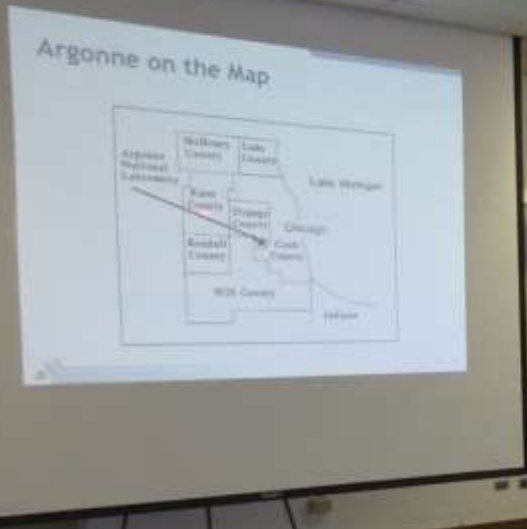




**IAEA-Argonne
Training Course on
Integrated Management Systems and Developing of the Safety Culture**



Tom Ewing
Associate Division Director



Thomas Kekelik



Jeannot Boogaard

PROHIBIDO FUMAR NO SMOKING

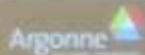


Argonne
Division
Argonne National Laboratory and
Nuclear Engineering Division
Integrated Management Systems
& Designing a Better Future
November 6, 2013
Dan Kelly
Assistant Deputy Director (Operations)



BASIC SAFETY ELEMENTS

- #1. A solid foundation of knowledge of the basic physics, chemistry and engineering of nuclear reactor technology
- #2. A robust and proven design using established codes and standards that embody design margins, qualified materials, and redundant and diverse safety systems.
- #3. Adherence to a defense-in-depth safety philosophy that rigorously maintains multiple barriers, both physical and procedural, to protect the public and workers from harm.
- #4. A program for ensuring that the reactors are constructed and tested in accordance with the design specifications and safety analyses.
- #5. Highly qualified and trained personnel who operate the reactor, maintain the equipment and conduct the radiation protection program.



Joe Braun



L. Walter Deitrich



Albert Frischknecht

1-800

ONLY

MELATONIN

1-630-

252-3386

or (832)

Germaine Watts

Organizational Learning

is the organization which by its ^{members} acquires their own experiences & converts it to knowledge

Enablers

1. Cultural Support
2. Knowledge Management
3. Process & Structure of the process
4. Training
5. Good planning & Good Management
6. Stake holder's Satisfaction

Joaquim Galle

Vince Gilbert

Digital customer learning

- 1. The organization, when trying to understand their user experiences & behaviors, to provide

Evidence

1. Individual Experience
2. Family Experience
3. Process & Routine of the process
4. Transitions
5. Goal setting & user experience
6. Stakeholder's satisfaction

	T1	T2	T3	T4	T5
WOMEN	4	4	1	3	5
SENIOR	3	1	2	2	1
FEMALE	2	3	4	4	1
PREED	1	2	3	1	
OLD (60)	5	5	5	5	5

- Management → 100%
- Skills → consistency and clarity (49-53)
- Behavioral Eng.
- Group not discussing the main subject and staying on an alternative one
- Lack of individual needs of the
- allow each level into group activity
- Facilitating planning not properly
- Actual needs are not clear

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2-3386
(335)

1-800
ONLY
MELATO



	T1	T2	T3	T4	T5
WARR	4	4	1	3	5
SILOR	3	1	2	2	1
FRICE	2	3	4	4	1
WRELD	1	2	3	1	
OLD MAY	5	5	5	5	5

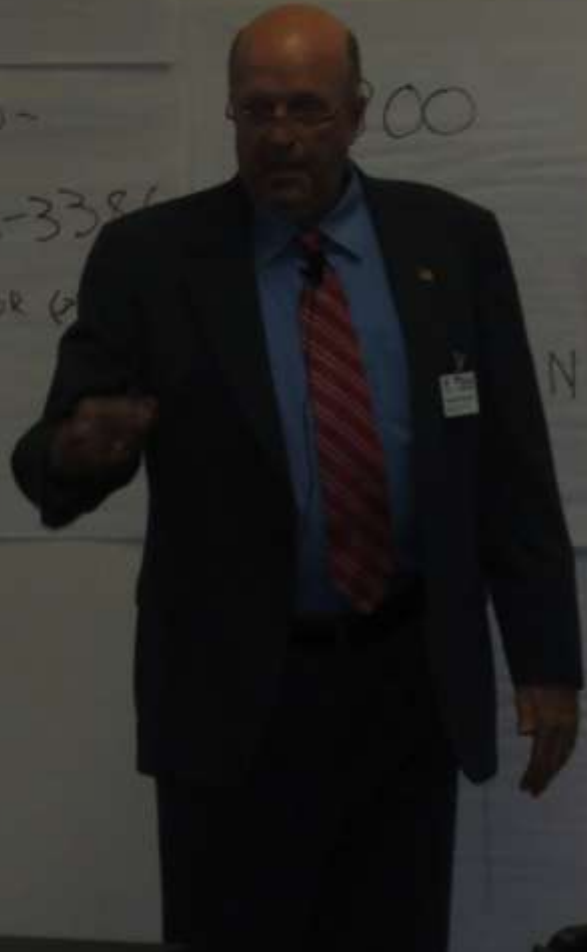
- Historical data
- Sample not distributed evenly
 - Weighted not changing - 2 at some points
 - Lack of internal and other
 - Also - not low the group strategy
 - Purchasing planning not properly
 - Actual seeds are not clear

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or (

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Share knowledge internally
 2 externally
 4

5 ADJ + IMPROVE ^{INCLT} ORG.
 BEHAVIOR BASED ON
 EXP

- 5% APP. TO 4 OF IMP. PRACTICES
- LEADERSHIP
- SUPPORT
- PROBLEM SOLVING

2 SYS MEET

- MAKE
- BENEFIT
- KTD

Pete Schneider



Christina Van Drunen



Mark Cunningham

Management Concepts

Probabilistic

Used in Licensing

Estimates the likelihood of the VES or NCR outcomes

Uses more realistic techniques

Considers the Probability of a Failure

Considers Multiple Failures

Credits all Potentially Available Equipment

All possibility of plant configuration can be included

Adverse consequences - defined as Core Damage which is generally taken as loss of structural integrity of the fuel

Available



Sam Falvo



Roy Lindley

routine analysis of on-site events and actions;

6. To review the **effectiveness** of the CAP programme by
Monitoring the relevant performance indicators; Acting on recommendations arising
from periodic CAP self-assessments.

Recommended Frequency of CARB meetings - Fortnightly
Additional meetings as required to address business needs.



Ruma Deb



Allan Bonner

James McIntyre

Pamela Anderson



Organizational Learning
 1) the organization working to
 create their own experience &
 transfer it forward

- Evidence
1. Mutual Respect
 2. Goals Alignment
 3. Focus & Structure of the meeting
 4. Trusting
 5. Good planning & prep
 6. Stake holder's buy-in

	T1	T2	T3	T4	T5
WOW	4	4	4	3	5
SOLO	3	4	2	2	4
FRID	2	3	4	4	4
FRID	1	2	3	4	
OLD	5	5	5	5	5
NEW					

- Feedback loop
- Group not discussing the work subject and coming to a decision on it
 - Lack of respect and trust
 - Lack of structure and prep
 - Feedback planning not properly
 - Mutual needs are not clear

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 or (335)

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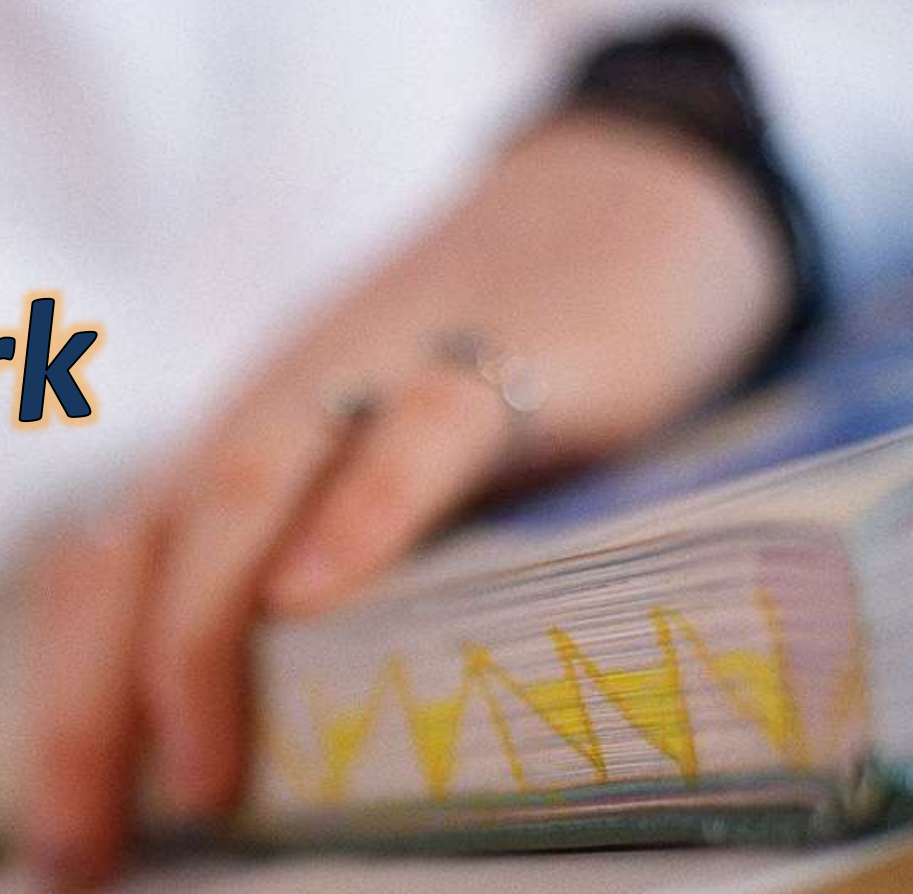








***Participants
and Staff
Hard At Work***

































Coffee Break















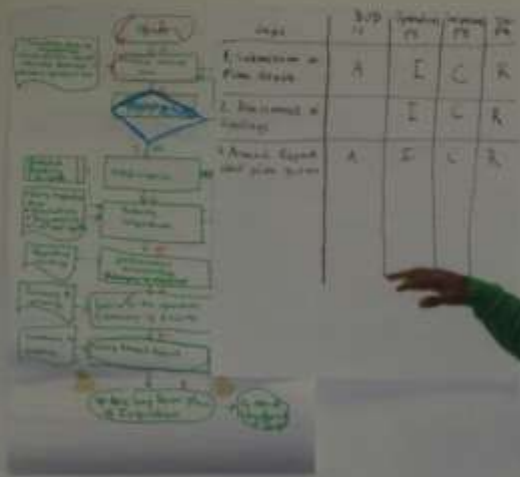


POWERIA



EXERCISE

THAT ~~THIS~~ PERSON
 [THIS ACTIVITY]
 TOOK PLACE, OF THE MS
 AT THIS TIME.



Step	3/1	3/2	3/3	3/4
1. Evaluation of Plan Status	A	E	C	R
2. Documented Findings		E	C	R
3. Annual Report and plan review	A	E	C	R

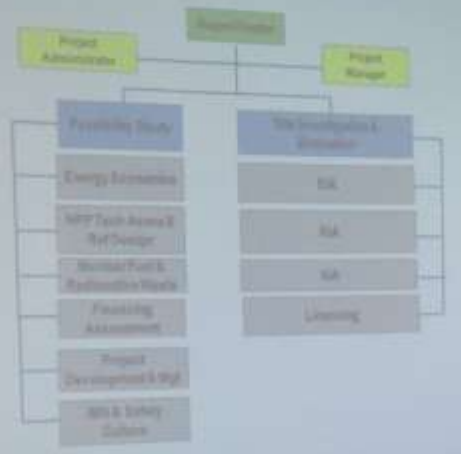
FEEDBACK

	WR.1	WR.2
MO	17/29	18
TO	12/29	





Organisational Chart













Future and Next elections

Maintain Nuclear Free – Sophisticated - Poweria
Promote that Image and gain Respect.



NO PHOTOGRAPHY
NO SMOKING

















**CONGRATULATIONS
WORLD CHAMPIONS!!!!!!**

“3 TENNIS BALLS”

29 PEOPLE

4.34 seconds = 0.14965 / Person







1) $26.5 / 29$

2) $21.85 / 29$

3) $21.34 / 29$

4) $17.15 / 29$





















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Participants Receive Certificates





Carlos Miguel AROSA
ARGENTINA







Mahbubul HOQ
BANGLADESH







Miroslav JAKES
CZECH REPUBLIC







Leena AARNIO-WIHURI
FINLAND







Marianna PAPP
HUNGARY







Haendra SUBEKTI
INDONESIA







**Besar WINARTO
INDONESIA**







Ulzhan KOZTAYEVA
KAZAKHSTAN







Joseph Abrahams Wamburu MAINA
KENYA







Marius PAREIGIS
LITHUANIA







Nor Azlan MOSTAFA
MALAYSIA



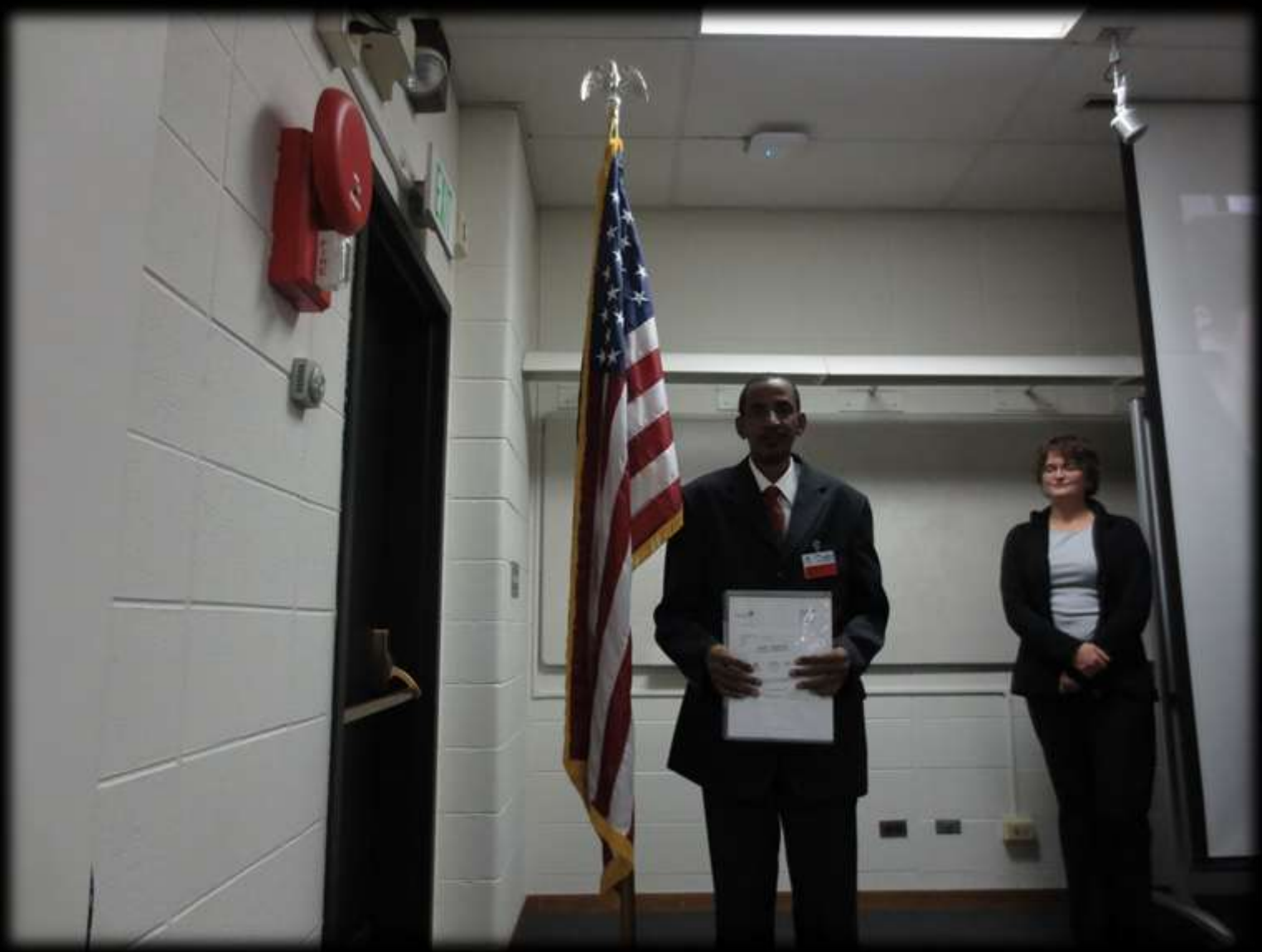




Ibrahim MUHAMAD
MALAYSIA







Soumana AMADOU
NIGER







Maria Celerina RAMIRO
PHILIPPINES







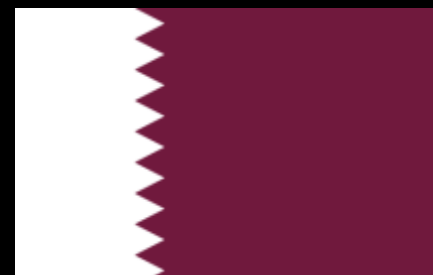
Robert CZARNECKI
POLAND







Sofia ALHAJ
QATAR







Irina Georgeta DICIEANU
ROMANIA







Ludovit SOLTES
SLOVAKIA







Susanna REINHOLDSSON
SWEDEN







Somjai OONTHONG
THAILAND







Irmak ASLANTURK
TURKEY







Mete Emin ATMACA
TURKEY







Nureddin Murat KAZANC
TURKEY







Jalal AL HASHEMI
UNITED ARAB EMIRATES







Faisal ALKETBI
UNITED ARAB EMIRATES







Thi Ngoc Diep TRAN
VIETNAM





A celebratory graphic featuring several white-frosted cupcakes with colorful sprinkles and a pink flower-shaped decoration. The cupcakes are arranged around a central white rectangular area. This area is framed by a gold star garland and a gold ribbon. The background of the frame is a light purple and white patterned fabric.

**Celebrating
a
Job Well Done**

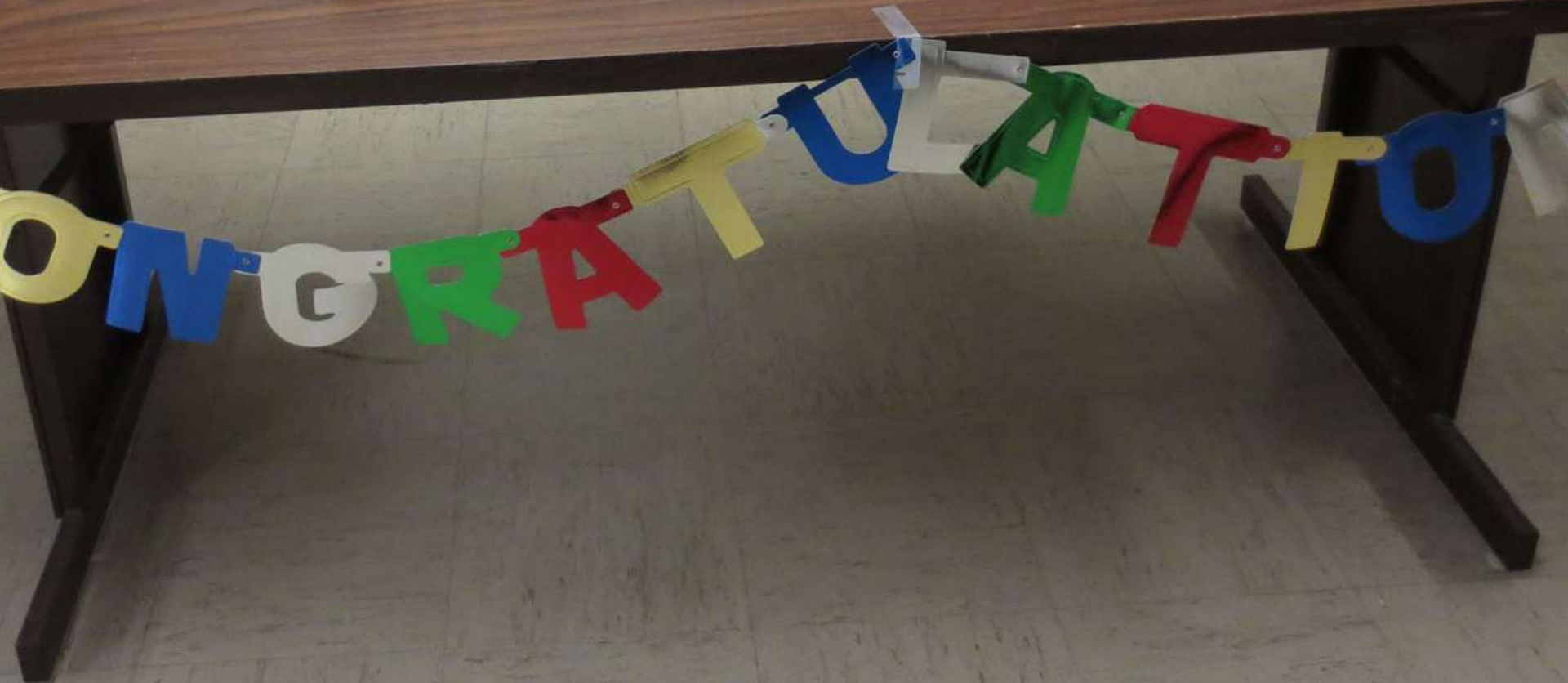














Congrats

Congrats Congrats

Congrats

Congrats

Congrats

Congrats

Congrats

Congrats

Congrats

Congrats

Congrats

Congrats



Share the Knowledge