



www.RTFIPro.com
info@RTFIPro.com

Contributors

Dr. Aziz U. Rehman
George W. Jaques

NDT in Canada
NDTⁱC 2022

Canada's NDT Vision - Inspection Excellence

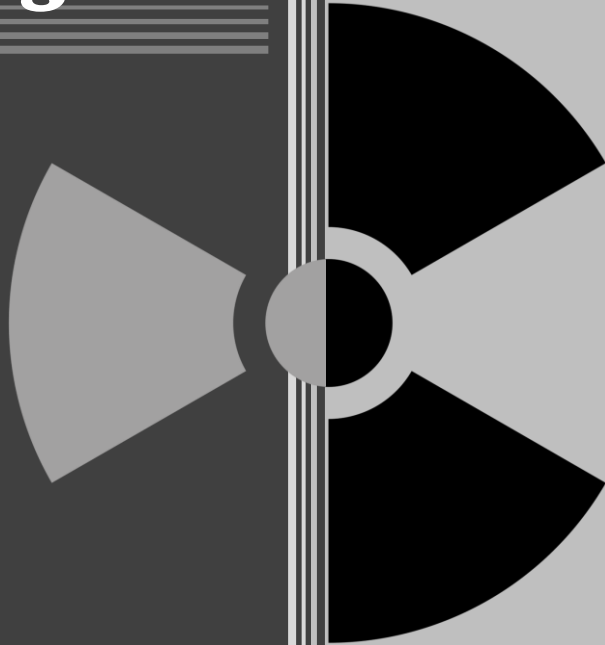
May 17 – 19, 2022

Caesars Windsor, Windsor, Ontario, Canada

Industrial Radiography & Radiograph Interpretation

Bridging the Competency Gap

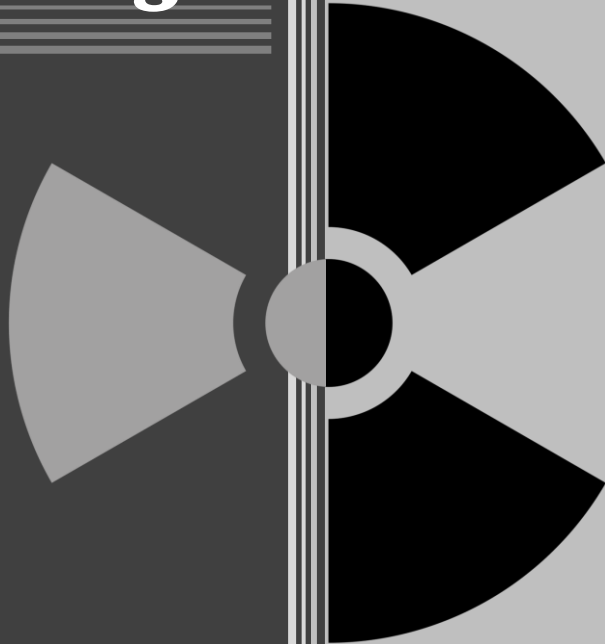
Agenda



Bridging the Competency Gap

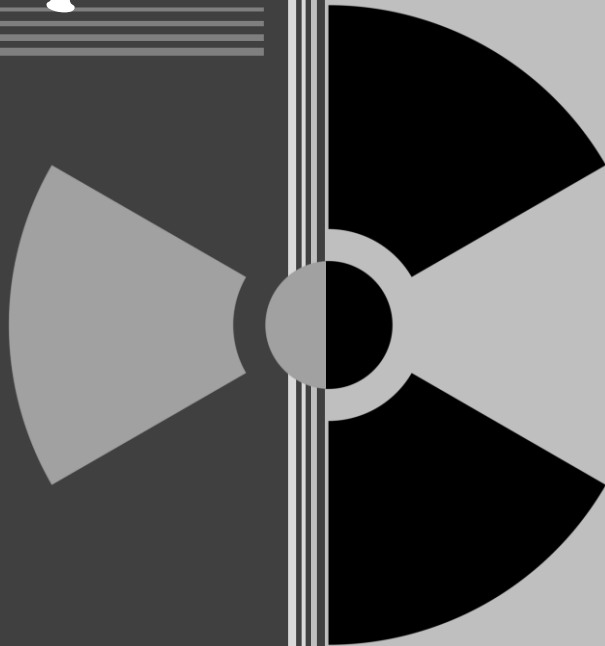
- ❖ **Challenges**
- ❖ **Proposal**
- ❖ **Contribution**
- ❖ **On-Going Projects**
- ❖ **Conclusions**
- ❖ **Questions & Answers**

Challenges



- ❖ **Application Conformance**
- ❖ **Interpretation Variance**
- ❖ **Regulatory Compliance**
- ❖ **Inspector Subjectivity**

Proposal



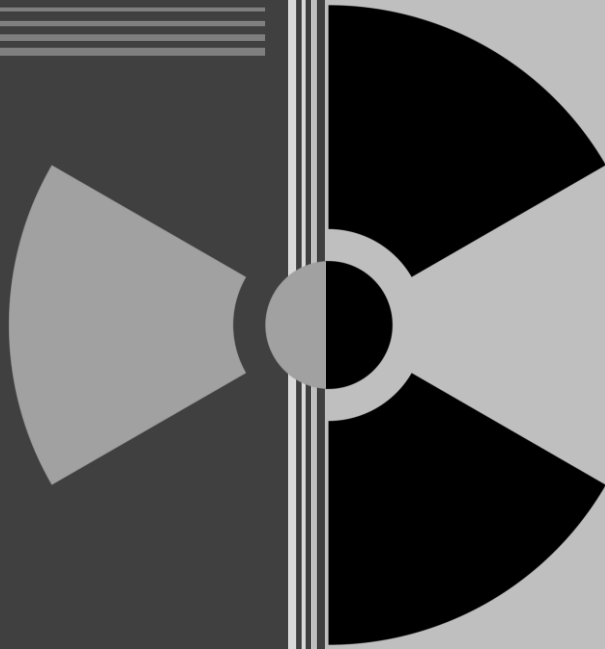
Bridging the Competency Gap

- ❖ **Reduce the Gap**
- ❖ **Provide the Missing Link**
- ❖ **Remove the Disconnect**

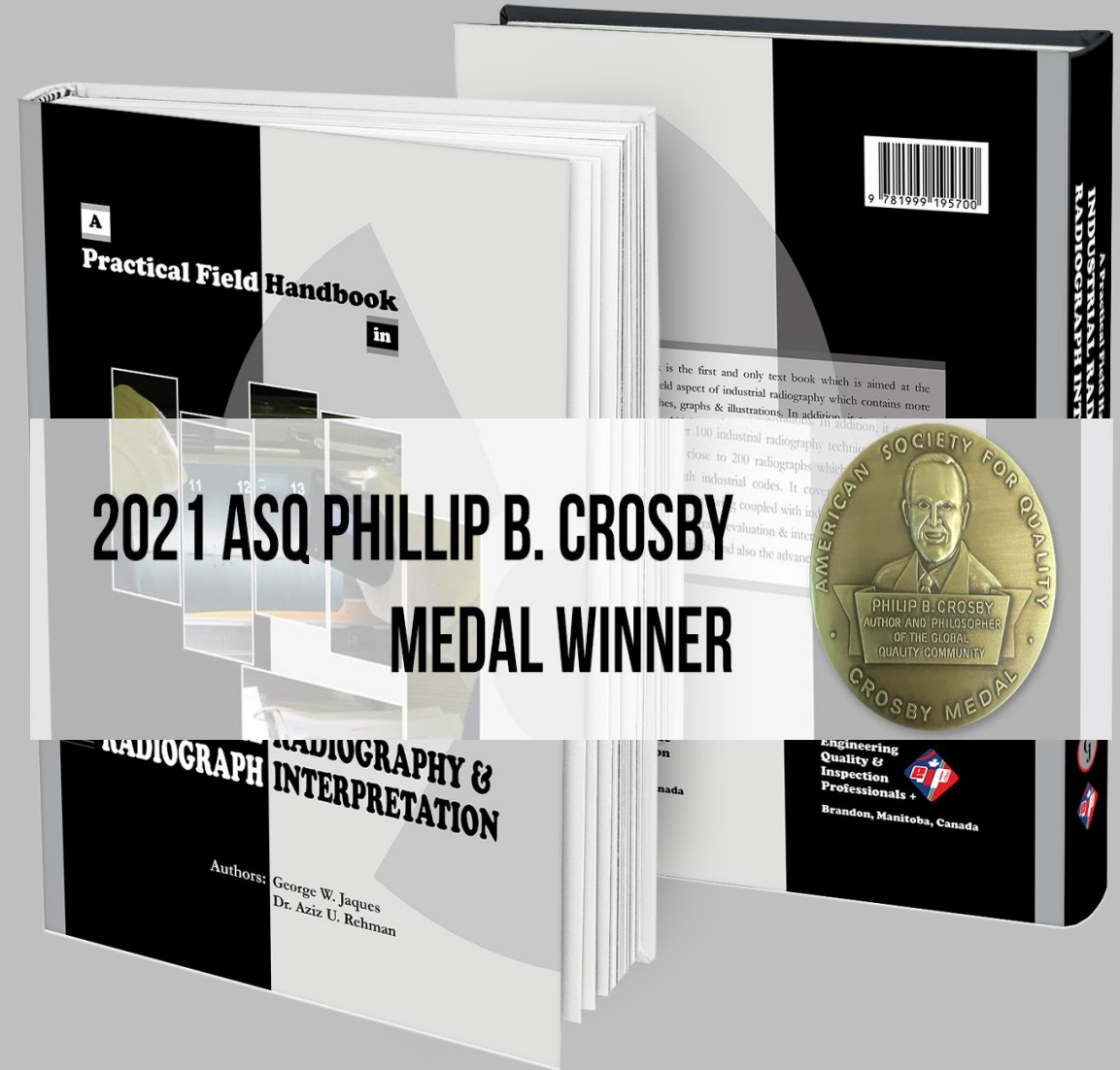
in

**Training, Experience and Field
Application of Industrial
Radiography**

Contribution

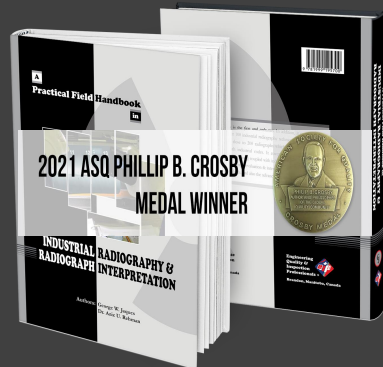


Bridging the Competency Gap



**2021 ASQ PHILLIP B. CROSBY
MEDAL WINNER**

Contribution



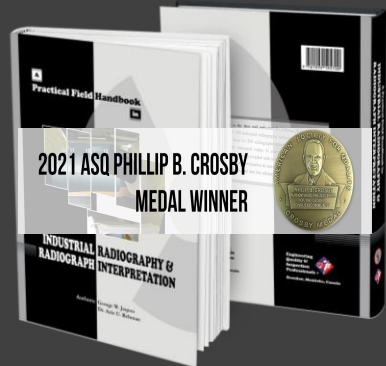
Bridging the Competency Gap

- ❖ **Connection in Training & Application**
- ❖ **Increase Compliance with Codes**
- ❖ **Improve Interpretation & Disposition**
- ❖ **A Ready Reference for day-to-day Use**

for

**Safe, Reliable and Most Importantly,
“Correct” RT Field Application**

Contribution



Bridging the Competency Gap

- ❖ **Over 100 Figures & Sketches**
- ❖ **Nearly 100 Data Tables**
- ❖ **More than 100 RT Techniques**
- ❖ **Close to 200 fully Interpreted Films**
- ❖ **400+ Certification Questions**

a resource to

**Educate | Refresh | Revise
Certify | Recertify**

Contribution

Bridging the Competency Gap

❖ **9 Sections**

❖ **39 Units**

to provide

Structured approach in developing radiographic inspection techniques with a focused understanding on application of different industrial codes with correct interpretations



On-Going Projects



❖ **Facebook Page**

❖ **YouTube Channel**

❖ **LinkedIn Profile**

❖ **Twitter Handle**

all for

**Benefiting RT Community,
improving consistency, enhancing
interpretation and reducing
inspector subjectivity**



On-Going Projects

Bridging the Competency Gap



☢ Global Data Gathering Project

To gauge the extent of the Knowledge Gap, depending on Education, Training, Certification Level & Geographical Location

<https://forms.gle/uWk5zpbTbndSL9JG7>

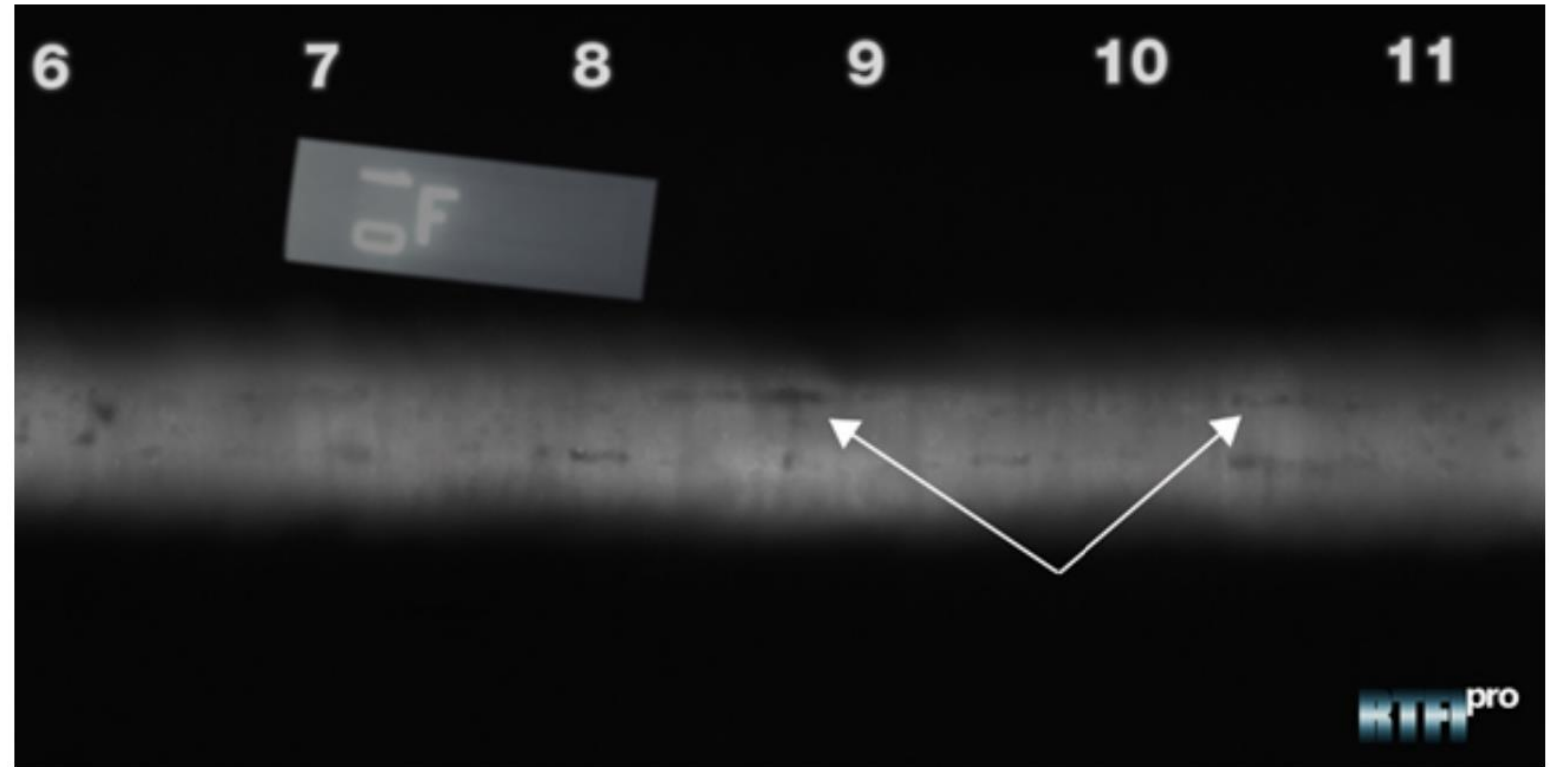


On-Going Projects



Bridging the Competency Gap

<https://forms.gle/uWk5zpbTbndSL9JG7>



- Lack of Fusion
- Slag
- Incomplete Penetration
- Internal Undercut



On-Going Projects

❖ Global Data Gathering Project

- 💧 Total Response 1,044
- 💧 Countries 79



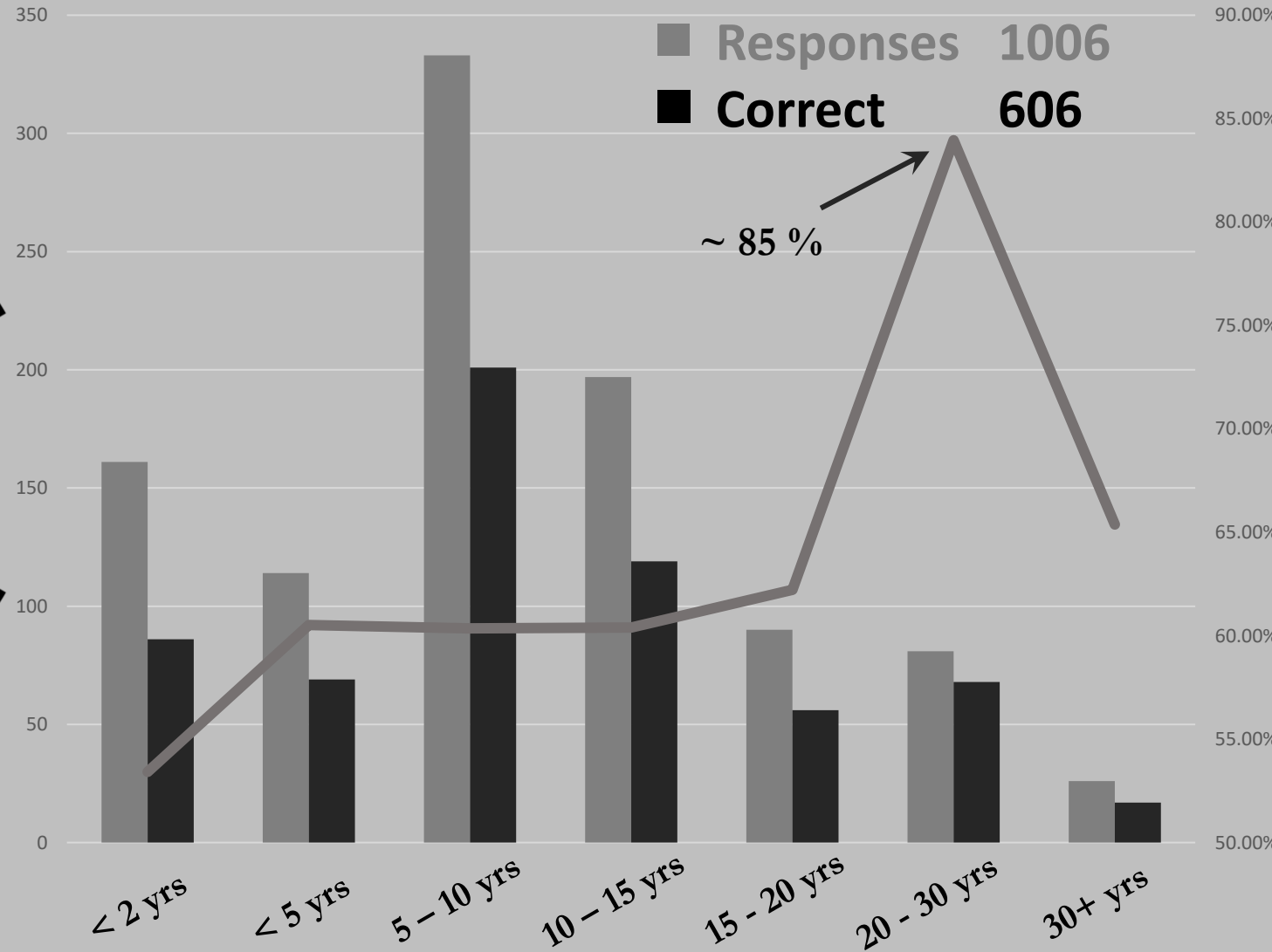


Experience Data



Bridging the Competency Gap

Experience (Data Extract)



On-Going Projects



Bridging the Competency Gap

- ❖ **CGSB Committee**
- ❖ **ASNT Committee**
- ❖ **ASME Committee**
- ❖ **eBook**

Conclusion



❖ The Handbook

is an effort

To guide the users in correct application of Industrial Radiography with an emphasis on practical field aspect



Questions

