



## CURRICULUM VITAE FOR DR. ABD. NASSIR IBRAHIM

### 1. PERSONAL INFORMATION

- 1.1. Name : Dr. Abd. Nassir Ibrahim  
1.2. I.C No (old and new) : 4745819 (old), 541126-01-5833 (new)  
1.3. Designation : Managing Director  
1.5 Organization : MADANI NDT Training Centre  
1.6 Address : No. 55, 1<sup>st</sup> Floor, Jalan Kajang Impian 2/1  
Taman Kajang Impian  
43650, Bandar Baru Bangi, Selangor, Malaysia

### 2. QUALIFICATION

#### 2.1. Academic Qualification

Year	Institution	Field	Qualification
1974-1977	Univ. Kebangsaan Malaysia	Physics	BSc
1977-1978	Univ. of Surrey UK	Nuclear Technology	MSc
1978-1982	Univ. of Surrey UK	Metallurgy	PhD

#### 2.2. Professional Qualification:

- Level 3 Industrial Radiography (nondestructive testing-NDT)
- Level 3 Ultrasonic Tester (nondestructive testing-NDT)

- Level 3 eddy current tester (nondestructive testing-NDT)
- Level 3 magnetic particle tester (nondestructive testing-NDT)
- Level 3 liquid penetrant tester (nondestructive testing-NDT)

### **3. Field of expertise**

- Nondestructive Testing for Metallic Material (RT, UT, MT, PT ET)
- Nondestructive Testing for concrete
- Radiation protection for industrial radiography and gauges
- Metallurgy
- Qualification and Certification of NDT Personnel in accordance with ISO 9712
- Quality System for NDT (ISO 17024, ISO 17020)

### **4. Designation:**

- 4.1 Currently Managing Director, Madani NDT Training Centre (MNTC) 2015 to now
- 4.2 Director of Industrial Technology Division of Malaysian Nuclear Agency 1998-to 2014
- 4.3 Head of Nondestructive Testing Group 1982-1988
- 4.4 PRESIDENT, MALAYSIAN SOCIETY FOR NDT : 1999 TO NOW
- 4.5 Managing Director, Madani NDT Training Centre (MNTC), Bandar Baru Bangi
- 4.6 Radiation Protection Officer Industrial Radiography for Malaysia Nuclear Agency (1984-2014)
- 4.7 Person Responsible (OBTL) for the Class H License of **MADANI NDT TRAINING CENTRE**
- 4.8 Members, Board of Directors, Federation of Asian NDT Societies, 2014-2016

### **5. List of Current Responsibilities**

1. Responsible to all administrative matters related to the organization and to ensure that the organization functioned accordingly
2. As 'Orang Yang Bertanggungjawab Terhadap Lesen-OBTL)responsible for all matters related to the radiation protection program of the Company
3. Delivering lectures in training courses approved by the Atomic Energy Licensing Board (Approved Lecturer) and courses related to industrial radiography (approved by JPK)

4. To plan, coordinate and monitor training activities related to Industrial Radiography and Radiation Protection organize by the Centre and to ensure that activities performed fulfill the current and future need of Malaysian Industries.
5. To organize the need of experts from various sources required for the implementation of the planned training program
6. To prepare marketing program and business developmental program for the Centre and to ensure that the program is customer oriented.
7. To prepare periodical and annual reports of the Centre and to prepare and present technical papers as and when required by the Centre, or the Nation.
6. As a National and International Technical expert in the field of NDT, providing advisory and consultancy services to Malaysia in area related to training, qualification and certification, coordination of national examination and preparation of national standards.
7. As a National and International Technical expert in the field of Radiation Protection, providing advice to the Government of Malaysia on matters related to radiation protection related to industrial radiography and gauges
8. As the Chairman of National NDT Trade Advisory Committee, to advise the Ministry of Human Resources on matters related to the national need for skilled manpower in the field of NDT and matters related to the qualification and certification of NDT personnel in Malaysia

## **6. MEMBERSHIP IN COMMITTEES**

### **6.1 WITHIN MALAYSIAN NUCLEAR AGENCY**

#### **6.1.1. Training course**

1. Chairman, Organizing Committee for the Regional Training Course on "Radiation Protection for Industrial Radiography" August 99
2. Chairman, Organizing Committee for the Regional Training Course on "Flowrate Measurement with Gamma Cross Correlation Technique" July 1999
3. Chairman, Organizing Committee for the Regional Training Course on "NDT in Concrete" September 1999
4. Chairman, Organizing Committee for the Regional Training Course on "RTC on Sealed Source and Tracer Application in Oil and Gas Industry" May 98
5. Chairman, Organizing Committee for the Regional Training Course on "RTC on Radiography Equipment Maintenance", Oct.98

6. Chairman, Organizing Committee for the Regional Training Course on “Sealed Source and Tracer Application in Oil and Gas Industry” 18-29 May 98
7. Chairman, Organizing Committee for the Regional Training Course on Radiography Equipment Maintenance, 26-30 Oct.98
8. Chairman, Organizing Committee for the Second Regional (RCA) Training Course on Quality Assurance and Quality Control of Nuclear Analytical Techniques, Kajang, 12-16 August 2002
9. Chairman, Organizing Committee for the First Regional (RCA) Training Course on Digital Industrial Radiography, November 2008
10. Chairman, Organizing Committee for the Second Regional (RCA) Training Course on Digital Industrial Radiography, 2-6 November 2009
11. Chairman. Organizing Committee for IAEA/RCA Regional Training Course on The Application of ISee and aRTist software for Advance Industrial Digital Radiography, Nuklear Malaysia, Bangi, November 2011
12. Chairman. Organizing Committee for IAEA/RCA Regional Training Course on Industrial Digital Radiography for ARASIA Member States, Nuklear Malaysia, Bangi, 4-8 June 2012

#### **6.1.2. Conference and Seminar**

1. Chairman of the Organizing Committee on National Seminar on Radiography in the Next Millenium, MINT, Bangi, 17/12/98
2. Vice Chairman, Organizing Committee for Asian Conference on X-ray and Related Technique in Research and Industry, Legend Hotel, Kuala Lumpur, 20-22, November 2000
3. Vice Chairman, Organizing Committee for the on XIVth National Symposium on Chemical Analysis Malaysia (SKAM XIV) / Regional Analytical Science Symposium (RASS 2001), Century Mahkota Hotel, Melaka, 11-13, September 2001
4. Chairman, Organizing Committee for the Seminar R&D MINT, MINT, Bangi 25-28/7/2002
5. Chairman, Organizing Committee for the National Workhsop on R&D MINT, Lake Town, Bukit Merah, Perak, 8-10/8/2002
6. Chairman, Organizing Committee for the launching and Seminar on Carbon dating facility, MINT, Bangi, 30/7/2002
7. Organizing Committee Member for International Nuclear Conference 2002 (INC’02), 15-18 October 2002, Kuala Lumpur Malaysia
8. Vice Chairman, Organizing Committee for International Conference on X-ray and Related Industries, 28-29 October 2002, Shah Alam
9. Member of Organizing Committee, International Nuclear Conference INC 09, 29<sup>th</sup> June-1<sup>st</sup> July 2009
10. Chairman, Organizing Committee for the Malaysian International NDT Conference and Exhibition (MINDTCE 09), Kuala Lumpur, 20-21 July 2009

11. Chairman, Organizing Committee for the Second Regional (RCA) Training Course on Digital Industrial Radiography, 2-6 November 2009
12. Member of Steering Committee and Chairman of Technical Committee for International Conference for Experimental Mechanics 2010 (ICEM2010), 29 Nov-1 Dec. 2010.
13. Chairman, Organizing Committee for the Malaysian International NDT Conference and Exhibition (MINDTCE 11 ), Kuala Lumpur, 21-22 November 2011
14. Member, Technical Committee for the Malaysian International NDT Conference and Exhibition (MINDTCE 11 ), Kuala Lumpur, 21-22 November 2011
15. Member, Organizing Committee, 2<sup>nd</sup> South East Asia Workshop on Safety and Security of radioactive materials used for industrial radiography and well logging, Palm Garden, Putrajaya, 3-6 December 2012.
16. Chairman of the Organizing Committee, Malaysian International NDT Conference and Exhibition (MINDTCE 13), Sunway hotel, KL, 16-18 June 2013
17. Member of Technical Committee, Malaysian International NDT Conference and Exhibition (MINDTCE 13), Sunway Hotel, KL, 16-18, June 2013
18. Chairman of the Organizing Committee, Malaysian International NDT Conference and Exhibition MINDTCE 15, Sunway hotel, KL, 24-26 November 2015
19. Chairman of the Organizing Committee, Malaysian International NDT Conference and Exhibition MINDTCE 18, Sunway hotel, KL, 12-13 November 2018

#### **4.1.3 Others**

1. Chairman of Nuclear Malaysia Welfare Club to May 1999
2. Member, Nuclear Malaysia Club
3. Member, Nuclear Malaysia Cooperative
4. Chief Editor Nuclear Science Journal 1982-1985 (reinstated as Chief Editor for Nuclear Science Journal-electronic version in 2009 to 2014)
5. National RCA/IAEA NDT Project Coordinator (IAEA/RCA) since 1990
6. Member, Financial Management Committee, Malaysia Nuclear Agency, up to 2010.

#### **4.2 OUTSIDE MALAYSIA NUCLEAR AGENCY**

1. Chairman, National Trade Test panel for Industrial Radiography
2. Chairman, National Trade Test panel for Eddy current Testing
3. Chairman, National Trade Test panel for surface method (liquid penetrant and magnetic particle testing)
4. Chairman, National Trade Test panel for Radiography Interpretation
5. Chairman of the NDT Trade Advisory Committee, 2015 to now
6. Chairman on National Committee for 'Code of Practice on Radiation Protection in Industrial Radiography', Atomic Energy Licensing Board, 1992-1995

7. Member of Advisory Committee for Malaysian France Institute (MFI) for welding subcommittee 1997-2003
8. SIRIM R&D Committee- 1991-1992
9. SIRIM Laboratory Accreditation Scheme Committee Member, 1992
10. Defence Science and Technology Member of Research Committee- 1991
11. Chairman, Technical Committee for Malaysian NDT Society 1995-1996
12. Member of Training Committee for the Malaysia NDT Society 1995-1996
13. Chairman on National Committee for 'Revision of Code of Practice on Radiation Protection in Industrial Radiography', Atomic Energy Licensing Board, 2007
14. President, Malaysian Society for NDT, 1996 to now
15. Member, Malaysian National Accreditation Council, 2009-to now
16. Chairman, The Working Group for the Malaysian Inspection Bodies Accreditation Scheme ISO 17020 for NDT 2008-2009
17. Member, National Advisory Committee for NDT, 2009
18. Member, National Committee on Certification of Radiation Protection Officer 2008-now
19. Member, Application Committee for the National Certification Board for NDT, 2010 to now
20. Member of Technical Committee for SIRIM NDT Standard Preparation, 2010 to now
21. Member, Board of Studies (Physics), International Islamic University, 2010
22. Member, Board of Studies (Diploma in Muzeum), International Islamic University, 2010.
23. Member, International Advisor, World Conference on Acoustic Emission, Beijing China, 23-25 August 2011
24. Member, National Committee for Certification of Radiation Protection Officer, Atomic Energy Licensing Board 2011-2016
25. Member, International Committee, Singapore International Nondestructive Testing Conference and Exhibition, 3-4 November 2011, Singapore
26. Member, Board of Studies (Fizik Industri), UiTM, Shah Alam 2012
27. Member, Board of Studies (Physics), Universiti Putra Malaysia (UPM), 2013
28. Member of the NDT Trade Test Panel, Ministry of Human Resources, 2015 onward
29. Member of the Application Committee of the National NDT Qualification and Certification System, 2015 onward
30. Regional Board Member, Asia Pacific Federation of NDT, Headquarter in Tokyo, from 2013 onward
31. Member, NDT Trade Advisory Committee, Ministry of Human Resources: from 2015 to 2017
32. Chairman, NDT Trade Advisory Committee, Ministry of Human Resources: from 2017 to 2019

## **5. DIRECT INVOLVEMENT IN RESEARCH**

Heading the following R&D:

1. The use of nondestructive testing technique for welding defect assessment
2. Development inhibitor for anti corrosion
3. Development of neutron radiography facility
4. Development of radiography calculator
5. Development of automated cable winder for gamma projector
6. The use of NDT methods for detecting hidden objects
7. The use of NDT for concrete inspection
8. Fabrication of eddy current probes for eddy current inspection
9. Detection of underground object by ground penetrating radar technique
10. Development of digital industrial radiography facility
11. Development of NDT data management system and NDT data fusion

## 6. PUBLICATION AND PRESENTATION

### 6.1 JOURNAL

1. Welding Metallurgy of Austenitic Stainless Steel, Nuclear Science Journal (Malaysia), Vol.2, No. 1, 1982
2. Why Inspect Welded Structure?, Nuclear Science Journal (Malaysia), Vol. 2, No.1, 1984
3. Neutron Radiography at th Nuclear Energy Unit- A Background, Nuclear Science Journal (Malaysia), Vol. 3, No. 1, 1985
4. Qualification and Certification Scheme for NDT Personnel, Nuclear Bulletin of Malaysia, Vol. 4, No.1&2, 1988
5. Peperiksaan RT-1 MLVK- Satu Tinjauan, MSNT Newsletter, No. 7, Feb. 93.
6. Boundary Calculation- Analysis on MLVK Examination Result, MSNT Newsletter, No. 8, August 1993, pp-17.
7. Ujian Tanpa Musnah (NDT)-Bidang Kemahiran Penting Untuk Pembangunan Industri di Malaysia-Bahagian 1, MAHIR, Bil.25, April 1995, pp-6-7.
8. Ujian Tanpa Musnah (NDT)-Bidang Kemahiran Penting Untuk Pembangunan Industri di Malaysia-Bahagian 11, MAHIR, Bil.26, September 1995
9. M.P. Ismail, K.M. Yusof, **A.N.B Ibrahim**, Reliability of Rebound Hammer Method of Estimating Concrete Strength, Bulletin IEM, April 1966, pp 5-7
10. M.P. Ismail, K.M. Yusof, **A.N.B Ibrahim**, Propagation of Rayleigh Waves in Concrete, INSIGHT, Vol. 38, No. 5, May 96, pp338-340
11. M.P. Ismail, K.M. Yusof, **A.N.B Ibrahim**, A Combined Ultrasonic Method on the Estimation of Compressive Concrete Strength, Insight NDT and Condition Monitoring, Vol. 38, No 11, Nov. 1996, pp 781-785
12. Skim Persijilan NDT- Satu Kelainan (NDT Certification Scheme-A difference), MAHIR, Bil. 34, Ogos 98, pp-5.
13. Mohamad Pauzi Ismail and **Abd. Nassir Ibrahim**, Correction factors for ultrasonic pulse velocity strength estimation of concrete, MSNT Newsletter April 2002

14. **Abd. Nassir Ibrahim**, Malaysian Qualification and Certification Scheme for NDT- National and International Recognition, MSNT Newsletter April 2002
15. Mohamad Pauzi Ismail, **Abd. Nassir Ibrahim** and Ab. Razak Hamzah, Non-Destructive Testing Of Concrete In Structures, MSNT Newsletter 16, April 2003
16. Shaiful Rizam Shamsudin, Mohd Harun, Nadira Kamarudin, Siti Selina Abdul Hamid, **Abdul Nassir Ibrahim** dan Zaiton Selamat, Scanning Electron Microscope (SEM): First Micrographs, R&D Quest MINT, May 2004.
17. **Abd. Nassir Ibrahim**, Transferring Technology-Experience in Sudan, R & D Quest, March 2004.
18. **Abd. Nassir Ibrahim**, Nuclear and Related Technologies to Enrich the Past, R & D Quest, July 2004
19. **Abd. Nassir Ibrahim**, Journey of the life time-tribute to expedition members, R & D Quest, August 2004
20. **Abd. Nassir Ibrahim**, Ultrasonic Said it it not a Gold Bullion!!!, R&D Quest, December 2004
21. Shukri Mohd, Ab. Razak Hamzah, **Abd. Nassir Ibrahim**, Acoustic Emission Method and its applications: A Brief Review, Malaysian Society for Nondestructive testing Newsletter, No18, p-17, April 2005
22. Mohd Zaki Umar, **Dr. Abd. Nassir Ibrahim**, Dr. Abd. Razak Hamzah, Is calibration of NDT Equipment Necessary??, Inspectioneering Journal, Volume11, Issue 5, p-13, September/October 2005.
23. Shukri Mohd, **Abd Nassir Ibrahim**, P. Bowen, The study of Fracture Mechanisms in Burn Resistances Beta Titanium Alloy Using AE and SEM, Journal of Solid State Science and Technology Letters, September 2006
24. **A.N.B Nassir Ibrahim**, Harmonization of NDT Practices-The need for accreditation of National Certification Body (NCB) in accordance with ISO 17024, NDT Spectra, No. 2, pp-8, April 2008
25. Khairul Anuar MS, Abd Razak H, **Abd Nassir I**, Shaharudin S, Industrial Digital Radiography (IDR) Detector System, Why is it necessary, NDT Spectra, No. 2, pp-18, April 2008
26. Mohamad Pauzi Ismail, Amry Amin Abas, Mohd Noorul Ikhsan Mohammed, **Abd. Nassir Ibrahim**, Nondestructive Testing (NDT) of turbine supports: A case study, NDT Spectra, No. 2, pp-41, April 2008
27. **A.N.B Ibrahim** : No Country Can Prosper Without NDT, No Industry Can Operate Without NDT, Petromin Pipeliner Singapore, April-June 2008, pp 44
28. N.A. Abdullah, **A.N. Ibrahim**, S.Sayuti, G.H.P. Mohamad, M.N. Salleh, A. Yasin, N.A.A. Rahman, low cost automatic cable winder for industrial radiography projector, NDT Spectra, pg 24-27, Vol. 1, no. 3, April 2009
29. S. Sayuti, **A.N. Ibrahim**, S. Ahmad, A. Yassin, M.J. Jaapar, K.A.M. Salleh, A.R. Hamzah, Routine check and annual maintenance for industrial radiography gamma projector, NDT Spectra pg 51-58, Vol. 1, no. 3, April 2009
30. M. P. Ismail, Y. Yassin, A.A. Abas, **A.N. Ibrahim**, A.R. Daud, Uncertainties of Ultrasonic Thickness gauging (UTTg). NDT Spectra, pg 68-73, Vol. 1, no. 3, April 2009



31. **A.N.B Ibrahim**, Integrate effort for enhancement of NDT practice in Malaysia, NDT Spectra, Special Issue November 2011, p-205
32. Nurul Ain Ahmad Latif, Ilham Mukriz Zainalabidin, Mahmood Dollah, **Abd. Nassir Ibrahim**, A study of effects on size and coil's turn based on signal distribution and impedance plane diagram, NDT Spectra, Special Issue November 2011, p-272

## **6.2 CONFERENCE, WORKSHOP AND SEMINAR PRESENTATIONS**

1. The Use of Ultrasonic SAW in the Monitoring of the Grain Structure of Austenitic Steel Cast and Weld, Metal Society, Nov.- Dec. 1981.
2. Texture Determination of Austenitic Stainless Steel Cast and Welds. (Abstract Only). Ultrasonic International, 1981
3. Welding Metallurgy of Austenitic Stainless Steel, Nuclear Science Journal (Malaysia), Vol.2, No. 1, 1982
4. Why Inspect Welded Structure?, Nuclear Science Journal (Malaysia), Vol. 2, No.1, 1984
5. Neutron Radiography at the Nuclear Energy Unit- A Background, Nuclear Science Journal (Malaysia), Vol. 3, No. 1, 1985
6. The Status of NDT in Malaysia, Presented at the National NDT Seminar, KL, 15th-16th. Oct 85.
7. Qualification and Certification Scheme for NDT Personnel, Nuclear Bulletin of Malaysia, Vol. 4, No.1&2, 1988
8. The Status of NDT Qualification and Certification Scheme in Malaysia, Presented at the 5th. RCA/IAEA/UNDP National Coordinator Meeting, Bangkok, 1st.-4th. Feb. 89.
9. Qualification and Certification Scheme for NDT Personnel in Malaysia, Presented at the National NDT Conference, KL, 24th-25th. July 89.
10. NDT-Effective Tool For Quality Control, Presented at the Regional Conference on Material Science and Technology, KL 1st- 3rd. March 90
11. The Role of NDT in Malaysian Industries, Presented at the National Seminar on Physics in Industry, Technological Univ. Malaysia, Johor Bharu, 19th-20th. Sept. 90.
12. NDT in Industry, Presented in the Seminar on The Application of Nuclear Techniques in Industry, Technological University of Malaysia, Johor Baru, 7th. March 91.
13. Pengenalan Kepada Radiografi Industri diMalaysia (Introduction to Industrial Radiography in Malaysia), Presented at the Technical Session organised by the Malaysian Radiographer Association, KL, 9th March 91.
14. Masalah-Masalah Dedahan Sinaran Pekerja-Pekerja Radiografi Industri diMalaysia (Radiation Exposure Problems among Industrial Radiographer in Malaysia), Presented at the Science and Technology Conference, 8th-14th. Aug.91.
15. NDT For Nonmetallic Materials, Presented in the Regional Workshop on NDT in Nonmetallic Materials, Bangkok, 11th-15th. Nov. 91.
16. NDT in Concretes in Some of RCA Countries, Presented in the Seminar on NDT in Concrete, KL, 8th.-9th. Dec. 92.

17. Peperiksaan RT-1 MLVK- Satu Tinjauan (NVTC RT1 Examination- A Review) , MSNT Newsletter, No. 7, Feb. 93.
18. NDT in Malaysia, Report presented in the First Meeting of National Coordinators for Nondestructive Evaluation for the Joint RCA/UNDP/IAEA project RAS/92/073, Tokyo, 30/8-2/9/1993.
19. Boundary Calculation- Analysis on MLVK Examination Result, MSNT Newsletter, No. 8, August 1993, pp-17.
20. Proficiency of NDT Personnel in Malaysia, Paper Presented During NDT Proficiency Program Review Meeting, Melbourne, 26-28/1/94
21. Ujian Tanpa Musnah -Bidang Kemahiran Penting Untuk Pembangunan Industri di Malaysia-Bahagian 1 (NDT-Necessary Skill for the Industrial Development in Malaysia-Part 1), MAHIR, Bil.25, April 1995, pp-6-7.
22. Ujian Tanpa Musnah -Bidang Kemahiran Penting Untuk Pembangunan Industri di Malaysia-Bahagian 11, (NDT-Necessary Skill for the Industrial Development in Malaysia-Part 11, MAHIR, Bil.26, September 1995,
23. M.P. Ismail, K.M.Yusof, **A.N.B. Ibrahim**, Reliability of the Rebound Hammer Method of Estimating Concrete Strength (Co-Author), Bulletin IEM, April 1996, pp-5-7
24. M.P.Ismail, K.M. Yusof, **A.N.B. Ibrahim**, Propagation of Rayleigh Waves in Concrete, (Co-Author), INSIGHT, Vol. 38, No.5, May 1966, pp-338-340
25. M.P. Ismail, K.M. Yusof, **A.N.B. Ibrahim**, A Combined Ultrasonic Method on the Estimation of Compression Concrete Strength, 'Insight-NDT and Condition Monitoring, Vol.38, No. 11, Nov. 1996, pp. 781-785
26. Qualification and Certification Scheme for NDT Personnel in Malaysia, Proceeding of 14 World Conference on NDT, 8-13 December 1996 , New Delhi , India, pp 1941-1944
27. M.P. Ismail, **A.N.B. Ibrahim**, K.M. Yusof, Ultrasonic Relative Amplitude Method for Predicting the Strength of Concrete, Proceeding of 14 World Conference on NDT, 8-13 December 1996, New Delhi.
28. **A.N.B Ibrahim**, W.S.W. Abdullah, Radiological Safety Pertaining to Industrial radiographer in Malaysia-Problems and Solutions, Ntional Seminar on NDT-To Meet Future Industrialization Challenge, MINT, Bangi, 25-26 November 1997
29. **A.N.B. Ibrahim**, The Role of NDT in the Development of Malaysian Industry, Paper presented at National Seminar on NDT in Industry, Myanma Scientific, Technology and Research Department (MSTRD), Yangoon, Myanmar, 27/8/97.
30. **A.N.B. Ibrahim**, Radiation Protection Related to Industrial Radiographers in Malaysia, Paper presented at National Seminar on NDT in Industry, Myanma Scientific, Technology and Research Department (MSTRD), Yangoon, Myanmar, 27/8/97.
31. Mohamad Pauzi Ismail, Ab.Razak Hamzah and **Abd. Nassir Ibrahim**, Non-Destructive Testing Of Concrete In Structures, Proceeeding the Fifth Inter. Conf. on Concrete Engineering and Technology (edited by H.B.Mahmud), 5-9 May 1997, Universiti Malaya, Kuala Lumpur, pp. 179-187.
32. A.N.B. Ibrahim, W.S.W. Abdullah, Radiological Safety Problems Pertaining to Industrial Radiographers in Malaysia-Problems and Solutions, **National Seminar on**

- NDT-To Meet Future Industrialization Challenge**, 25<sup>th</sup>-26<sup>th</sup> November 1997, MINT, Bangi, Malaysia.
33. Dr. Abd. Nassir Ibrahim, Basic Radiation Physics Pertaining to Sealed Source and Tracer Application in Oil and Gas Industry, RTC on Radioisotope and Sealed Source Application in Oil and Gas Industry, 18-29 May 1998, Bangi Malaysia
  34. Dr. Abd. Nassir Ibrahim, Physical Principles Pertaining to Eddy Current Inspections, Co-Author-Eddy Current Level 1 Training Handbook, MINT, 1998.
  35. Dr. Abd. Nassir Ibrahim, Skim Persijilan NDT- Satu Kelainan (NDT Certification Scheme-A difference), MAHIR, Bil. 34, Ogos 98, pp-5.
  36. Dr. Abd. Nassir Ibrahim, Industrial Radiography in Malaysia, Regional Workshop on Radiography Equipment Maintenance, Bangi, 26-30 October 98.
  37. Dr. Abd. Nassir Ibrahim and others, Industrial Radiography, Publ. Malaysian Institute for Nuclear Technology Research (MINT), 1999.
  38. Physical Principle Related to Eddy Current Testing Method. Eddy Current Training Handbook for Basic Grade Personnel, MINT, 1999
  39. **Abd. Nassir Ibrahim**, NDT Activities in Malaysia-Impact of IAEA Regional Projects, West Asia National NDT Coordinator Meeting, 26/4-1/5/99, IAEA, Vienna.
  40. **Abd. Nassir Ibrahim**, 1999. Overview of Industrial Radiography Sources and Accidents Presented at IAEA Group Training Course on Design, Implementation and Management of Radiation Protection and Safety Programme in Industrial Radiography, 2-13 August 1999, MINT, Bangi, Selangor Malaysia.
  41. Abd. Nassir Ibrahim, 1999. Design, Implimentation and Management of Radiation Protection and Safety Program Presented at IAEA Group Training Course on Design, Implementation and Management of Radiation Protection and Safety Programme in Industrial Radiography, 2-13 August 1999, MINT, Bangi, Selangor Malaysia
  42. Dr. Abd. Nassir Ibrahim, Human Resource Development in the Field of NDT- Malaysian Experience, The Second National Seminar on NDT and National Examination on Nondestructive Testing, Industrial Radiography Testing, Level 3, Jakarta, Indonesia 22/8/2000-25/8/2000
  43. Dr. Abd. Nassir Ibrahim, Dr. Mohd. Daud, TLA Activities in Malaysia, Presented at the Expert Group Meeting on Industrial Application of thin layer technique, Beijing, China, 7-11 August 2000
  44. Dr. Abd. Nassir Ibrahim, NDT Activities in Malaysia, Country Report Preseted at the NDT Project Coordinator Meeting, Colombo, Sri Lanka, 9-11 October 2000
  45. Abd. Nassir Ibrahim, Malaysian Qualification and Certification Scheme for NDT personnel-Achievements and Steps Toward Harmonization in accordance with ISO 9712. Presented in National NDT Seminar, Residence Hotel, Uniten, 10-11<sup>th</sup> July 2001
  46. Abd. Nassir Ibrahim, T.C. Pang, Qualification and Certification Scheme for NDT personnel in Malaysia, Presented in IAEA/RCA Regional Consultant Meeting on the Draft of an Agreement for Mutual Recognition of Various Certification Schemes, Dhaka, Bangladesh, 27-29 August 2001
  47. Malaysian Qualification and Certification for NDT Personnel-National and International Recognition, Issue 15, MSNT Newsletter, April 2002.

48. Azali Muhammad, Ab. Razak Hamzah, Mohamad Pauzi Ismail, **Abd. Nassir Ibrahim**, Abd. Aziz Mohamed, Sufian Saat, Saharudin Sayuti, Shukri Ahmad, "Corrosion Evaluation in Insulated Pipes by Non Destructive Testing methods", Proceedings of International Nuclear Conference 2002 (INC'02), Kuala Lumpur, 15-18 October, 2002
49. Mohamad Pauzi Ismail, Mohamed Hairol Hasmoni and **Abd. Nassir Ibrahim**, Application of Radar in Concrete and Asphalt inspection, 3rd International Conference on NDT, 15 - 17 October 2003, Chania - Crete, Greece, Organized by the Hellenic Society for NDT (HSNT).
50. **Abd. Nassir Ibrahim**, Accreditaion of nondestructive Testing Laboratories-Do we have choices, IAEA/RCA Regional Traing Course on Accreditation of NDT Laboratories in Accordance with ISO17025, 15-19 December 2003, Grand Maya Hotel, Kuala Lumpur
51. **Abd. Nassir Ibrahim**, Certification to ISO 9001 Version 2000 for Column Scanning, Pipe Scanning, Radiography and Ultrasonic Inspection to Meet the Demand from Oil and Gas Industry, IAEA/RCA Regional Meeting for Senior Managerson Benefit and Safety in Radioisotope Techniques for problem Solving in Petroleum/Chemical Industry, Grand Maya hotel, KL, 13-17 September 2004
52. **Abd. Nassir Ibrahim**, Key Performance Indices for successful NDT, The Marcus Evan Congress Model (Engineering Congress), Grand Plaza Park Royal Hotel , KL, 11-12 August 2004
53. Mohamad Pauzi Ismail, Suhairy Sani and **Abdul Nassir Ibrahim**, Determination Of Plant Copponent's Degradation Using Ultrasonic C-Scan, *Prosiding Seminar R & D MINT 2002, 25-27 Jun 2002*
54. Mohamed Hairul Hasmoni, **Abd. Nassir Ibrahim** and Ab. Razak Hamzah, Evaluation Verification Facilities (EVF) at MINT – Concept and Implementation, 5<sup>th</sup> NDT Seminar on NDT, Concorde Hotel, Malaysia, 1-2 October 2003
55. **Abd. Nassir Ibrahim**, Inspection Verification Centre, Petronas Specialists Engineering Meeting 2002, 17-18 July 2002, Primula Park Royal, Terengganu
56. **Abd. Nassir Ibrahim**, Accreditation of NDT Laboratories in Accordance with ISO 17025-Do We Have Choices, 5<sup>th</sup> NDT Seminar on NDT, Concorde Hotel, Malaysia, 1-2 October 2003
57. **Abd. Nassir Ibrahim**, Introduction to Industrial Radiography, Introduction to corrosion, radiography and analytical techniques for preservation of national heritage, 8-12 December 2003
58. **Abd. Nassir Ibrahim**, The Need for Accreditation of NDT Laboratories for Improved Data Reliability, Petronas Specialist Engineers Meeting 2004 Symposium, Waterfront Hotel Labuan, 4-6 October 2004
59. Suhairy Sani, Mohamad Pauzi Ismail, Glam Hadzir Patai Mohamad, **Abd. Nassir Ibrahim**, Abdul Razak Hamzah, Amry Amin Abas and Muhammad Rawi Mohamed Zin, Preliminary Study Of The Advanced Ultrasonic Imaging System Development, Proceeding MINT R&D Seminar 2004, 12 -15 July, MINT, Bangi, Selangor.
60. Shukri Mohd and Abd. Nassir Ibrahim, AE Characterization of Fracture Mechanism in Beta Titanium Alloy, Seminar Keutuhan bahan, penang, Ogos 2004

61. Khairul Anuar b. Mohd Salleh, Ab. Razak b. Hamzah, Mohamed Hairul b. Hasmoni, **Abd Nassir b. Ibrahim**, Mohd. Ashhar b. Hj. Khalid, Khair'iah Bt. Yazid @ Khalid, The Trend of Automatic Inspection Development For Defects Recognition in Radiography Technique, Proceeding MINT R&D Seminar 2004, 12 -15 July, MINT, Bangi, Selangor.
62. Norasia Abu Kassim, **Ab. Nassir Ibrahim**, Ab. Razak Hamzah and Shukri Mohd, Fracture Mechanics Based life Assessment in Petrochemical Plants, Proceeding MINT R&D Seminar 2004, 12 -15 July, MINT, Bangi, Selangor
63. Ilham Mukriz Zainal Abidin, Khaiarul Anuar Mohd Salleh, **Ab. Nassir Ibrahim** and Ab. Razak Hamzah, Mathematical Modelling of Eddy Current Probe, Proceeding MINT R&D Seminar 2004, 12 -15 July, MINT, Bangi, Selangor
64. Azhar Azmi, **Ab. Nassir Ibrahim**, Siti Madiha Muhamad Amir, Glam Hadir Patai and Saidi Rejab, SIMPLE for Industrial Radiography, Proceeding MINT R&D Seminar 2004, 12 -15 July, MINT, Bangi, Selangor
65. **Abd. Nassir Ibrahim**, Sains dan Muzeum, Forum Perdana Kurator, Kuala Lumpur, 16/12/05
66. Shahrudin Sayuti, Sukhri Ahmad, Arshad Yassin, Saidi Rajab, **Abd Nassir Ibrahim** and Ab. Razak Hamzah, Faults on gamma on projector model 660 series for industrial radiography, MINT Technical Convention(MTC) 2005, ESSET, Kajang, 15-17 Ogos 2005
67. Muhamad Daud, Azali Muhammad, **Abd. Nassir Ibrahim**, Mohd Shariff Sattar, Rusni Rejab, Zaiton Selamat, Kajian Pembuatan Keris Tradisional dari Perspektif Sains dan Teknologi, Seminar Teknologi Pembuatan Tradisional, Kuala Terengganu, 11-12 Ogos 2007
68. Shukri Mohd, Norasia Ab Kassim, **Abd. Nassir Ibrahim**, Ab. Razak Hamzah. Acoustic Emission Detection of Simulated Pitting Corrosion. Proceeding of 3<sup>rd</sup> NDT & Corrosion Management Asia Conference & Exhibition, 4-5 September 2007, Kuala Lumpur, Malaysia
69. **A.N. Ibrahim**, Harmonization of NDT Practice: The need for accreditation of NDT Certification Body in Accordance with ISO 17024, ", 3<sup>rd</sup> NDT & Corrosion Management Asia Conference & Exhibition, Kuala Lumpur Malaysia, 4<sup>th</sup>-5<sup>th</sup> September 2007
70. **A.N Ibrahim**, Progress Report on Advance Industrial Radiography in Malaysia, Presented during National Coordinator Meeting in Goa, India for project **RAS/8/105**), **2-6 July 2007**
71. **Abd. Nassir Ibrahim**, The Role of NDT in Industryt, National Seminar on Qualification and Certification of NDT Personnel, Khartoum, Sudan, 4-8 Mac 2007
72. **Abd. Nassir Ibrahim**, NDT Technology Development Program-Malaysian Experience, National Seminar on Qualification and Certification of NDT Personnel, Khartoum, Sudan, 4-8 Mac 2007
73. **Abd. Nassir Ibrahim**, Qaulification and Certification Scheme for NDT Personnel, National Seminar on Qualification and Certification of NDT Personnel, Khartoum, Sudan, 4-8 Mac 2007

74. **Abd. Nassir Ibrahim**, Plenary Lecture Harmonization of NDT Practice: Experience of the Third World Country, Asia Pasific Conference for NDT, Yokohama Japan, 8-13 November 2009
75. **Abd. Nassir bin Ibrahim**, Nondestructive Testing (NDT): Scientific and Effective R&D Tools for Metallurgists, Malaysia Metallurgical Conference, UNIMAP, 1-2 December 2009
76. Khairul Anuar Mohd Salleh, Ab. Razak Hamzah, Shaharudin Sayuti, **Abd. Nassir Ibrahim**<sup>1,d</sup> Comparison study of Radiographic Sensitivity (S) between white Imaging Plate (IP) and radiographic film by using hole type Image Quality Indicator (IQI), ICEM 2010, 29 Nov-1 Dec. 2010, Kuala Lumpur
77. Khairul Anuar Mohd Salleh, Ab. Razak Hamzah, Shaharudin Sayuti, **Abd. Nassir Ibrahim**, Optimization of Digital industrial Radiology (DIR) Techniques for Special Applications and Development of Procedures and Protocols, Report Presented During CRP Meeting, Vienna, 2010
78. Khairul Anuar Mohd Salleh, Ab. Razak Hamzah, Shaharudin Sayuti, Siti Madiha Muhammad Amir, Noorhazleena Azaman, Sapizah Rahim, **Abd. Nassir Ibrahim** Preliminary Development of Radioscopy Detector for Specific Industrial Radiography Inspection, , International Conference on X-Ray and Related Technique in Research and Industry, Kuala Lumpur, 2010
79. Abd. Nassir Ibrahim, Inculcating Safe Working Culture Among Industrial Radiographers, MARPA Seminar on Radiation Protection, Langkawi Malaysia, 7 June 2011.
80. Abd. Nassir Ibrahim, Malaysian NDT Conference and Exhibition 2011 (MINDTCE 11), Port Dickson, 21-22 November 2011 (Invited Speaker)
81. Abd. Nassir bin Ibrahim, Seminar on Electron Microscopy, 22-24 December 2011, Port Dickson
82. Abd. Nassir Ibrahim, The Role of Professional Society for Enhancing the level of Nuclear Security (Invited speaker), Workshop on Sharing Best Practice for enhancing nuclear security, Bohol, Phillipines, 16-17 January 2012
83. Abd. Nassir Ibrahim, Industrial Radiography Practice in Malaysia, 2<sup>nd</sup> South East Asia Regional Workshop on safety and security of radioactive source used for industrial radiography and well logging practice, Palm Garde, Putrajaya, 3-6 December 2012.
84. Sidek Hj Ab Aziz<sup>1</sup>, Abdul Halim Shaari<sup>1</sup>, Nor Hafzan Sarah Almuin<sup>1,2</sup>, Mohd Noorul Ikhsan Ahmad<sup>2</sup>, **Abd Nassir Ibrahim**<sup>2</sup> & Ilham Mukriz Zainal Abidin<sup>2</sup> ELASTIC STUDIES OF TROPICAL WOODS BY USING NON-DESTRUCTIVE ULTRASONIC TECHNIQUE, , Malayisan International NDT Conference and Exhibition 2013 (MINDTCE 13), Sunway Putra Hotel, Kuala Lumpur, 17-18 June 2013
85. Salbiah Hussein, **Abd. Nassir Ibrahim**, ACCREDITATION OF THE MALAYSIAN CERTIFICATION BODY FOR NDT IN ACCORDANCE TO ISO 17024, Malayisan International NDT Conference and Exhibition 2013 (MINDTCE 13), Sunway Putra Hotel, Kuala Lumpur, 17-18 June 2013
86. Isaac Einav<sup>(1)</sup>, Elena Azizova<sup>1)</sup>, **Nassir Ibn Ibrahim**, Patrick D. Brisset<sup>(4)</sup>, TECDOC 628 2013, NEW REVISION, Malayisan International NDT Conference and Exhibition 2013 (MINDTCE 13), Sunway Putra Hotel, Kuala Lumpur, 17-18 June 2013

87. Siti Madiha Muhammad Amir<sup>1</sup>, **Dr. Abd Nassir Ibrahim**<sup>1</sup>, Dr. Mohamad Pauzi Ismail<sup>1</sup>, Dr Noriah Mod Ali<sup>2</sup> and Sapizah Rahim<sup>1</sup> Early experience on the implementation of ISO 17020 at NDT group, Malaysian Nuclear Agency, Malaysian International NDT Conference and Exhibition 2013 (MINDTCE 13), Sunway Putra Hotel, Kuala Lumpur, 17-18 June 2013
88. **Dr. Abd Nassir Ibrahim**, Security of radioactive source used for industrial radiography, Malaysian Nuclear Agency, Malaysian International NDT Conference and Exhibition 2013 (MINDTCE 13), Sunway Putra Hotel, Kuala Lumpur, 17-18 June 2013
89. Mohd Fauzi Haris<sup>1</sup>, Mohd Dzul Aiman Aslan<sup>1</sup>, S.C. Sood<sup>2</sup>, Ilham Mukriz Zainal Abidin<sup>3</sup>, Siti Madiha Muhammad Amir<sup>3</sup> and Abd Nassir Ibrahim, **NDT data management: development of a data management system of integrated radiation modalities**, Malaysian International NDT Conference and Exhibition 2013 (MINDTCE 13), Sunway Putra Hotel, Kuala Lumpur, 17-18 June 2013
90. **Abd. Nassir Ibrahim (Invited speaker)**, Education and Training in the Field of NDT in Malaysia, Asia Pacific Conference for NDT (APCNDT), Mumbai, 18-22 Nov. 2013
91. **Abd. Nassir Ibrahim (Invited Speaker)**, Qualifying and Certifying of NDT Personnel Involved in Pipeline Inspection, Flemingo Conference "Management of Pipeline Integrity", Hotel Istana Kuala Lumpur, 18/3/14.
92. **Abd. Nassir Ibrahim**, Radiation Safety Practices among Industrial Radiographer in Malaysia, Technical meeting on radiation safety in industrial radiography, IAEA, Vienna, Austria, 23 to 27 June 2014
93. **Abd. Nassir Ibrahim**; Role of NDT in Oil and Gas Industry, IAEA Scientific Forum, Vienna, Austria, 15-16 September 2015.
94. **Abd Nassir bin Ibrahim**; Radiation Exposures to Industrial Radiographers in Malaysia, Malaysia Association for Radiation Protection (MARPA) Conference, Thistle Hotel Johor Baru, 29 November 2016 (INVITED SPEAKER)
95. **Abd. Nassir bin Ibrahim**; Radiography Accident: Not in Malaysia Please, Presented at the Seminar on Radiation Safety Organize by Petronas, RAPID Project Pengerang, 28 February 2018.

### 6.3 BOOKS (OR PART OF THE BOOK)

1. Introductory Lecture on Radiation Safety, Training Handbook for Radiation Safety Aspects in Industrial Radiography, MINT, 1984
2. Interaction of X- and Gamma Radiation with Matter, Training Handbook for Radiation Safety Aspects in Industrial Radiography, MINT, 1984
3. Procedure for Working on Site, Training Handbook for Radiation Safety Aspects in Industrial Radiography, MINT, 1984
4. Emergency Procedure in Radiography, Training Handbook for Radiation Safety Aspects in Industrial Radiography, MINT, 1984
5. Co-Author-Nondestructive Testing- Industrial Radiography Training Handbook for Basic Grade, 1986 MINT)

6. Co-Author-Nondestructive Testing- Industrial Radiography Training Handbook for Intermediate Grade, 1986, MINT & SIRIM
7. Co-Author-Ultrasonic Inspection Level 1 Training Handbook. SIRIM
8. Co-Author-Ultrasonic Inspection Level 2 Training Handbook. SIRIM
9. (Chairman of the Committee) 'Code of Practice on Radiation Protection in industrial Radiography', Atomic Energy licensing Board, 1995
10. Physical Principle Related to Eddy Current Testing Method. Eddy Current Training Handbook for Basic Grade Personnel, MINT, 1999
11. Code, Standard and Specification Related to Eddy Current Inspection. Eddy Current Training Handbook for Basic Grade Personnel, MINT, 1999
12. Code, Standard and Specification Related to Eddy Current Inspection. Eddy Current Training Handbook for Intermediate Grade Personnel, MINT, 1999
13. Co-Author-Industrial Radiography, Malaysian Institute For Nuclear Technology, 1999 (Other authors: Member of NDT Group, MINT)
14. **Abd. Nassir Ibrahim** (Co-author), IAEA guidebook for NDT concrete, IAEA Vienna, 2002
15. **Abd. Nassir Ibrahim**, (Co-authors), - Radiation Safety for Industrial Radiography, Penerbit MINT, August 2004
16. **Abd Ibrahim N** (Co-author), Nondestructive Testing for Plant Life Assessment, IAEA Vienna, IAEA Training Course Series 26, 2005
17. **Abd. Nassir Ibrahim (Co-authors) – Radiografi Industri: Teori dan Praktis**; Penerbit Agensi Nuklear Malaysia, 2008
18. **Abdul Nassir Ibrahim**, MeorYusoff Meor Sulaiman, Wan Saffiey Wan Abdullah, Mohd Reusmaazran Yusof, Amry Amin Abas, Khairiah Mohd Yazid, Chief Editor, International Journal of Applied Mechanics and Materials, Transtech Publication, Switzerland, 2011
19. **Abd. Nassir Ibrahim**, Azmi Ismail, Azhar Azmi, Siti Madiha Muhamad Amir, Keselamatan Sinaran Radiografi Industri, DBP
20. **Abd. Nassir bin Ibrahim et al**, Ujian Tanpa Musnah dalam Konkrit, DBP, 2015

#### **6.4 STANDARDS/PROCEDURES**

1. National Occupational Trade Standard for Eddy Current Tester, MINT PPA/CR/28, 1994, Co-Authored by Azhar Azmi
2. Procedure for Surveying Old and Damaged Building, Doc. No. NDT/BB/1, 1996

### **5 NATIONAL AND INTERNATIONAL AWARDS AND RECOGNITIONS**

#### **5.1 Medal**

Ahli Mangku Negara (AMN) 1996



## 5.2 Excellence Award

Prime Minister Department excellence Award 1988

Malaysian Nuclear Agency Excellence Award 1996

## 5.3 Recognition as International Expert.

1. Expert Mission for the **RCA/UNDP/IAEA** Regional Training Course in Ultrasonic Inspection Level 2, Lahore, Pakistan, 1988
2. Expert Mission for the COMSTECH-OIC Training Course on Basic NDT, Islamabad, Pakistan, September 1995.
3. **IAEA** Expert Mission for the Workshop on Radiation Protection for Industrial Radiology, Yangon, Myanmar, 9-14 October 1995.
4. **IAEA** Expert mission on the Development of Radiographic Testing Laboratory, Yangon, Myanmar, 24 June to 20 July 1996
5. **RCA/UNDP/IAEA** Expert mission on the Promotion of NDT Level 3 Personnel, Colombo, Sri Lanka, 30/9/96-5/10/96
6. **IAEA** Expert Mission on the Training of Industrial Radiography Radiation Safety Officer (combined with training on Radiographic Testing, Level 2) Yangon, Myanmar, 2-16 June 1997
7. **IAEA** Expert Mission on the Regional Training Course on the NDT in Oil and Gas Industry, Jakarta Jun 1998.
8. **IAEA** Meeting of West Asia Region NDT National Coordinator (resource expert), Vienna, 26-30/4/99 (as resource expert)
9. **IAEA** Expert Mission on Regional Examination on Liquid penetrant Level 3 and Magnetic particles level 3, Islamabad, 24-28/5/99
10. **IAEA** Expert Mission on the Development of Radiation Protection Infrastructure for Industrial radiography, Sana'a, Yemen, 26/6-1/7/99
11. **IAEA** Expert Mission on National Training Course and Examination on RT 3, Yangon, Myanmar, 1-27/11/99
12. **IAEA** Expert Mission for Regional Training Course and Examination on Nondestructive Testing, Ultrasonic Testing, Teheran, Iran 10/6/2000-29/6/2000
13. **IAEA** Expert Mission for The Second National Seminar on NDT and National Examination on Nondestructive Testing, Industrial Radiography Testing, Level 3, Jakarta, Indonesia 22/8/2000-25/8/2000
14. **IAEA** Expert as a Technical Officer at the Agency, Vienna Austria, 2 April –5 June 2001
15. **IAEA** Expert for IAEA/Yemen Atomic Energy Commission, National Seminar on Radiation Protection in Industrial Application, Sanaa, Yemen, 18/5-23/5/02
16. **IAEA** Expert for IAEA/Mongolian Government Training Course and Examination on Radiography Level 3, at Mongolian University of Science and Technology, Ulaan Bataar, 11/11/02-22/11/02
17. **IAEA** Expert for IAEA Regional Training Course on Safety Aspects for Industrial Radiography, Damascus, Syria, 25-29 May 2003

18. **IAEA** Expert for IAEA/NATEC National Training Course on Safety Aspects for Industrial Radiography, Sana'a, Yemen, 19-24 Julai 2003
19. **IAEA** Expert for National Training Course and Examination on Radiography level 2, Khartoum, Sudan, 24/2/2004-9/3/2004
20. **IAEA** Expert for Strengthening Regional Training Capability in Nondestructive Testing (AFRAIV-6) Facilitation of Seminar, Khartoum, Sudan, 10-11/3/2004
21. **IAEA** Expert for "Regional Training Course on Radiation Protection in Industrial Radiography", Dhaka, Bangladesh, 16-20 Ogos 2004
22. **IAEA** Expert for National Training Course and Examination on Magnetic Particles and Liquid Penetrant level 2, Khartoum Sudan, 11/12/ 2004-23/12/2004
23. **IAEA** Expert for National Training Course on Industrial Radiography Level 3, Khartoum, Sudan, 26 March-8 April 2005
24. **IAEA** Expert for National Training Course on Safety Aspects for Industrial Radiography, Kuwait, 21-25 May 2005
25. **IAEA** Expert for National Training Course on NDT for concrete, Uzbekistan, 24-28 April 2006
26. **IAEA** Expert for National Training Course on NDT for concrete, Ghana, 26-30 June 2006
27. **IAEA** Expert for the establishment of NDT Centre, Qatar, 3-7 June 2006
28. **IAEA** Expert for National Training Course on NDT for concrete, Philippines, 31 July to 11 August 2006
29. **Malaysian** Expert for National Training Course on Safety Aspects for Industrial Radiography, Kuwait, 17-21 February 2007
30. **Malaysian** expert mission on the National Seminar on Qualification and Certification of NDT Personnel, Khartoum, Sudan, 4-8 Mac 2007
31. **IAEA** Expert for Regional Training Course on Development of Quality Manual for Accreditation of NDT Laboratory in Accordance with ISO 17024, Damascus, Syria, 17-21 June 2007
32. **Malaysian** expert mission on the National Training Course on NDT for Concrete, Sudan, 22-26 December 2008
33. **Malaysian** expert mission on the National Training Course on Industrial Radiography Level 3, Sudan, 6-13 March 2009
34. **IAEA** Expert for National Training Course on NDT for Concrete, BATAN, Jakarta, 19-23 2010
35. **IAEA** Expert mission to assist in development system for training, certification and accreditation of NDT Personnel, Metal Industry Development Institute (MIDI), Addis Ababa, 26-30 March 2012
36. **IAEA** Expert for ARASIA Regional Project Formulation Meeting, Vienna 11-13 April 2012
37. **IAEA** Expert for National Training Course on Eddy Current Inspection of Steam generator tubing, National NDT Centre, VINATOM, Hanoi, 27-31 August 12
38. **IAEA** Expert for National Training Course on Level 3 Magnetic Particle Inspection, Sri Lanka Atomic Energy Authority, Colombo, 10-14 December 2012

39. **IAEA** Scientific Forum (GC59) Atoms in Industry — Radiation Technology for Development, 15-16 September 2015. IAEA Headquarter, Vienna, Austria
40. **IAEA** Expert Mission to United Arab Emirate UAE2003/29/01 - Occupational Radiation Protection Appraisals Mission (ORPAS), 1<sup>st</sup>-5<sup>th</sup> November 2016

#### **5.4 Recognition as National and International Course Director**

- IAEA/RCA/UNDP Regional Workshop on Qualification and Certification of NDT personnel, 1988
- IAEA/RCA/UNDP Regional Training Course on Level 3 Radiography, 1989
- IAEA/RCA/UNDP Regional Training Course on Surface Method, 1990
- IAEA/RCA/UNDP Regional Model Examination for Radiography Level 3, 1993
- IAEA/RCA/UNDP Regional Workshop and Regional Seminar for the Fabrication of NDT Test Pieces, 1994.
- IAEA/RCA Regional Training Course on Advance Industrial Digital Radiography, Nuklear Malaysia, Bangi, November 2009
- IAEA/RCA Regional Training Course on the use of ISee software in Advance Industrial Digital Radiography, Nuklear Malaysia, Bangi, November 2010
- IAEA/RCA Regional Training Course on The Application of ISee and aRTist software for Advance Industrial Digital Radiography, Nuklear Malaysia, Bangi, November 2011
- IAEA/ARASIA Digital Industrial Radiography for Level 2 Radiography personnel from Arab Countries, Nuklear Malaysia, Bangi, 4-8 June 2012

#### **5.5 Recognition to Represent Malaysia in Expert Meeting**

1. 3<sup>rd</sup>. Meeting of the NDT National Coordinator for RCA/IAEA/UNDP, RAS/86/073, Dhaka, Bangladesh, 1987
2. 4<sup>th</sup>. Meeting of the NDT National Coordinator for RCA/IAEA/UNDP, RAS/86/073, Daeduk Republik Korea, 19-22/4/88
3. 5<sup>th</sup>. Meeting of the NDT National Coordinator for RCA/IAEA/UND, RAS/86/073, OAEP, Bangkok, 31/1-3/2/89
4. 6<sup>th</sup>. Meeting of the NDT National Coordinator for RCA/IAEA/UNDP, RAS/86/073, Shanghai, 9-12/4/90
5. 1<sup>st</sup> Meeting of the NDT National Coordinator for RCA/IAEA/UNDP, RAS/92/073, Tokyo, 30/8-2/9/93.
6. NDT Proficiency Testing Program- Expert Review Meeting, Melbourne, Australia, 26-28 January 1994.
7. 2<sup>nd</sup>. Meeting of the NDT National Coordinator for RCA/IAEA/UNDP, RAS/92/73, Melbourne, 17-21 Julai 1995
8. 3<sup>rd</sup>. Meeting of the NDT National Coordinator for RCA/IAEA/UNDP, RAS/92/73, Bombay, 2-6 Disember 1996

9. Advisory Group Meeting on Application of nuclear technology in Industry, Mumbai, India, 6-8/12/99.
10. Expert Group Meeting on Thin Layer Activation, Beijing, China, 7-11 August 2000
11. National NDT Project Coordinator Meeting, Colombo, Sri Lanka, 8-10 November 2000
12. IAEA/RCA Regional Consultant Meeting for Drafting of Agreement for Mutual Recognition of NDT Certification in RCA Countries, Dhaka Bangladesh, 27<sup>th</sup>-29<sup>th</sup> August 2001.
13. Consultant Meeting on "Preparation of Guide Book on NDT for Plant Life Assessment", IAEA, Vienna, 5-8<sup>th</sup> May 2003
14. IAEA/RCA National Coordinator Meeting, Phillippines, 20-23 June 2005
15. IAEA/RCA National Coordinator Meeting, Goa, India, May 2007
16. IAEA/RCA National Coordinator Meeting, Hanoi, March 2008
17. 2<sup>nd</sup> Meeting of ASIAN NDT Societies organized by JSNDI, Tokyo, November 2008
18. IAEA/RCA National Coordinator Meeting, Bali, Indonesia, April 2009
19. 3<sup>rd</sup> Meeting of ASIAN NDT Societies organized by JSNDI, Tokyo, November 2009
20. IAEA Preparation of Country Project Framework Meeting, Vienna, 15-19 February 2010
21. Midterm Review Meeting of the NDT National Coordinator for RCA/IAEA/UNDP Project in Advance Industrial Radiography, Hanoi, Vietnam, 2-6 August 2010.
22. 4<sup>th</sup> Meeting of ASIAN NDT Societies organized by JSNDI, Tokyo, November 2010
23. Expert Meeting on "Preparation of Guidelines for DIR Training and Certification Examination", July 2011, Jakarta Indonesia
24. Meeting of Asian NDT Societies organized by the Japanese Society for NDI, 15-17 November 2011, Akihabara, Japan
25. Representing Malaysian Society for NDT in Workshop on Sharing Best Practices organized by World Institute for Nuclear Security (WINS), Bohol Phillippines, 16-17 January 2012
26. Expert Meeting on "Preparation of Guidelines for DIR Training and Certification Examination", July 2011, Jakarta Indonesia
27. IAEA/ARASIA Project Planning Meeting RAS/1/106, Vienna Austria, 11-13 March 2012
28. JSNDI Task Force Meeting, Tokyo, 9-11 October 2012
29. JSNDI 5<sup>th</sup> Task Force Meeting, Tokyo, 15-19 September 2013
30. IAEA Project Formulation for RCA projects, 18-22 February 2013, Vienna, Austria
31. RCA IAEA Meeting and Project Formulation, Hanoi, Vietnam, 18-22 August 2014

## **7.6 Supervisory Activities**

- Second supervisors for the following students:
  - Dr. Mohd. Pauzi Ismail, PhD, didalam bidang Ujian Tanpa Musnah di dalam Konkrit, Universiti Kebangsaan Malaysia, 1992-1995.

- En. Jedol Dayou, MSc, di dalam bidang NDT, Universiti Kebangsaan Malaysia, 1995-1996.
- Supervisors to the following International Trainee under IAEA Program
  - Mr. Zaw Nyut, Mr. U Thet (Myanmar) 1994
  - Mr. Htay Aung, Mr. Ong Hlaing (Myanmar) 1995
  - Mrs. San San Win (Myanmar) 1996
  - Miss Josephine (Philliphine) 1996
  - Miss Teinghi Tun, Mrs Kyi Kyi Pyone (Myanmar) 1997
  - Mr. Mahinda Pandithage (Sri Lanka) 1998
  - Mr. Lwin Wai, Miss Ingyin Pyu, Mrs. Ni Ni Win, Mr. Kyaw San Oo (Myanmar) 1998
  - Mr. Shabir Ahmad (Pakistan)1999
  - Mr. Shukeri Ahmed (Yemen)1999
  - Mr. Abdullah Qutaibi (Saudi Arabia)1999
  - Mr. Htin Taung, Mr. Than Oo, Mr. Khin Maung Aye (Myanmar) 1999
  - Miss Khin Mar Swe, Myanmar, IAEA Scientific Visit, 26/6 – 30/9/2000
  - Mr. Khin Maung Kwau, Myanmar, IAEA Scientific Visit, 19 - 29/6/2000
  - Mr. Yousef Mustafa Shishani, Jordan, IAEA Scientific Visit, dari 12/11 hingga 18/11 /2000
  - Mr. Andalib Hasan Quazi, Bangladesh, IAEA On the Job Training in Safety in Industrial Radiography, 1/7 - 30/8/2001
  - En. Mahboob Ur-Rahman, Bangladesh, IAEA On the Job Training in Safety in Industrial Radiography, 1/7 - 30/8/2001
  - En. Walid Barakat, Jordan , IAEA On the Job Training in Safety in Industrial Radiography, 1/7 - 30/8/2001
  - Dr. Mohamed El Tayyeb (Sudan): 8-12/12/03
  - Mr. Marzooq Iryani (Yemen): April 2003
  - Mohd Asif Iqbal (Pakistan) 1/12/02-27/02/03
  - Dr. Mohd. Nasser Rastkhah (Iran): 26-30/1/04
  - Mr. M. Arif Iftikhar And Mr. Tahir Nazir (PAK/03/038) 29/11/04-25/2/05
  - Mr. Ngu Yen That Tang (Vietnam) and Mohamed Al leswas (Yemen):1/9-11/11/05
  - Mohamed Obad (Yemen): May-July 2006
  - Mr. Boubeker (Algeria): 7/5-15/6/08
  - Mr. Tareek Hakem (Lebanon), Emad Chehadeh (Lebanon), Yasser Allouch (Syria), Saeed Barkat (Jordan), Planning for Accreditation of NDT Certification Body in accordance with ISO 17024, 28<sup>th</sup>-31<sup>st</sup> October 2008
  - Mr. Tareek Hakeem (Lebanon), Preparation of Quality Manual for Accreditation of NDT Certification Body in accordance with ISO 17024, 20<sup>th</sup>-24<sup>th</sup> July 2009
  - Mr Rabah Bannadad (Algeria), NDT for weld metal, 5/10-27/11/2009

- Mr. Orifjon Hajiboev (Tajikistan), Radiography, ultrasonic and surface method for defect detection in weld, 1/11/2009-29/1/2010
- Mr. Wantono, the use of eddy current method for inspection of nuclear reactor, December 2010 - February 2011
- Mr. T.M. R Tennakoon, Advance NDT Techniques and NDT Quality management System (IAEA Scientific Visitor), 29/10-9/11/2012
- Mr. Workeneh dan Shumu Tefera (IAEA Scientific visitors from Ethiopia): General Aspects on NDT Methods and advance NDT Methods 7-18 January 2013
- Mr. Prabath, (IAEA Trainee from Sri Lanka): NDT for concrete and other advance method, 7 January to 1 March 2013
- Mr. Suresh, (IAEA, Trainee from Sri Lanka), Eddy Current Heat Exchanger Inspection and other advance NDT Technique, 4<sup>th</sup> March-26 April 2013

## **6 MEMBERSHIP IN PROFESSIONAL SOCIETIES**

1. Malaysian Society For Nondestructive Testing-Secretary 1989-1994
2. Malaysian Society For Nondestructive Testing-Vice President 1994-1999
3. Malaysian Society for Nondestructive Testing-President 1999-NOW
4. Malaysian Nuclear Society –ordinary member 1997-2009
5. Malaysian Association for Research Scientist-ordinary member 2009 to now

## **8. SIGNIFICANT CONTRIBUTION TO THE NATION**

1. Masterminding the establishment of the National Qualification and Certification of NDT Personnel
2. Masterminding the establishment of the Malaysian Society for NDT
3. Masterminding the establishment of Malaysian Inspection Body Accreditation Scheme for NDT Laboratories in accordance with ISO 17020
4. Internationalization of the Malaysian Society for NDT by bringing the Society to be part of International Committee for NDT (ICNDT)
5. Preparing Malaysian NDT community to face the era of inspection of nuclear power plants
6. Helping Malaysian National Certification Body to get Accreditation to ISO 17024 (Accredited on 3<sup>rd</sup> October 2012)
7. Team Members for development of NOSS for NDT 2014 to 2017

## **9. TEACHING EXPERIENCE**

Giving extensive lectures on the following subjects:

1. Radiation Protection Officers

2. All NDT Methods (radiography, ultrasonic, eddy current, magnetic particles and liquid penetrant) for level 1, 2 and 3 personnel both nationally and internationally
3. NDT for nonmetallic material (for concrete building and bridges inspection)
4. Radiation safety for industrial radiography, industrial gauges and radiotracer.
5. Establishment of a Qualification and Certification Scheme in accordance to ISO 9712
8. Guideline for accreditation of the NDT certification body in accordance with ISO 17024
9. Delivering lectures in the following events organized by MADANI NDT TRAINING CENTRE throughout 2015 to 2018:
  - SEMINAR ON ADVANCE RPO FOR SEALED SOURCE USED IN INDUSTRIES
  - SEMINAR ON DRAFTING RADIOACTIVE SOURCE SECURITY PLAN
  - SEMINAR ON MANAGING IONIZING RADIATION SAFETY PRACTICE
  - CONDUCTING AWARENESS ON IONIZING RADIATION
  - INDUSTRIAL RADIOGRAPHY LEVEL 1
  - INDUSTRIAL RADIOGRAPHY LEVEL 2

#### 10. Experience Related to Radiation Protection

- Lecturer in National and International RPO Training Courses
- Lecturer in Post Graduate Diploma in Radiation Protection course organize by IAEA
- Radiation Protection Officer for Malaysia Nuclear Agency for more than 10 years
- Consultant work for the Atomic Energy Licensing Board in the development and revision of Radiation Safety Code of Practice Related to Industrial Radiography
- Consultancy work in radiation protection documentation and procedures under IAEA in countries like Yemen, Sudan and Syria
- Consultancy work for documentation related to safety and security as well as radiation emergency plan with Heng Yuan Oil Refinery Malaysia
- Consultancy work for Muda Paper Mill Kajang Malaysia
- Member of the National Committee for the Certification of Radiation Protection Officer
- Assisting IAEA in the ORPAS mission aiming at assessing the adequacy of Radiation Protection Program and requirement in UNITED ARAB EMIRATE-FANR in 2015
- Radiation Protection Consultant for Atomic Energy Licensing Board's Licensees