

Nguyen Bac Ha - Curriculum Vitae

Born Hanoi, 22 February 1965

Educated at the Belarusian State University, Physical Faculty, Nuclear Electronics Department 1983-1988.

Doctor of Philosophy in Physics 1991. Candidate of Sciences (Ph.D). Specialised in radioactivity equipment and X-ray equipment. Code: 05.11:10.

Dissertation: "Composite density measurement by radioactivity"[1]

Activity and appointment

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| 1992-1994 | Hardware designer and system integrator, Advanced Information Technology Corporation (AIC). [http://www.aic.com.vn] – |
| 1995-2003 | Chief of System Development Department. Advanced Information Technology Corporation. |
| 2004-2005 | Vice Director of Industrial Electronic Center. Chief of System Development Department. Advanced Information Technology Corporation. |
| 2006 | Director of Great Bear Star Joint Stock Company (GBS.,Jsc). |

Prize:

Silver prize of the First Vietnamese Electronics Informatic Congress 1999.

Prize of Viet Nam fund for supporting technological creativeness (**VIFOTEC**) 2004.

Projects and Activity:

1. Automatic system of tension and displacement measurement. 1992.
Assistance hardware designer.
Customer: Institute of building Science & Technology.
2. Automatic system of chromatograph measurement. 1993.
Hardware designer.
Customer: **Vietsovpetro Joint Venture** .
Customer contact person: Mr. Nguyen Chi Nghia. Oil and Gas Analyze Department. HIIPI. VietsovPetro.
3. Dien Bien Phu Victory Multimedia system. 1994
System Integrator and Hardware designer.
Customer: Military Museum.
4. Automatic Test System for engine. 1997-2001.
System design advisor.
Customer: : manufactories Z756, Z753, Z153, X51, Vietnam Maritime University (VIMARU), Maritime Secondary School N1, N2.
5. Automatic Test System for Missile Control Station (MCS) (ATS-C75/C125 CHP-1996).
System designer. Head of project team.

Customer: manufactories A29 and Z119.
Customer contact person: Mr. Thuan, old director of manufactory A29.

6. Automatic Test System for Geo-logging Equipment (TB02-1997).
Sole system Integrator. Head of Project Team.
Customer: **VietsovPetro Join Venture** – Logging and Testing Division .
Customer contact person: Mr. Duong Van Thang, director of Logging and Testing Division.
7. Series of Automatic Test System for Missile Control Station:
Automatic Test System for MCS (ATS-C75/C125 MS-2000).
Automatic Test System for MCS (ATS-C75/C125 CCS-2001).
Automatic Test System for MCS (ATS-C75/C125 AS-2002).
Automatic Test System for MCS (ATS-C75/C125 RDVT-2003).
Automatic Test System for MCS (ATS-C75/C125 RDAS-2004).
Automatic Test System for MCS (ATS-C75/C125 FCB/Rd-2005).
System design advisor.
Customer: manufactories A29 and Z119.
Customer contact person: Mr. Pham Duy Hau, director of manufactory A29.
Mr. Dinh Van Danh, director of manufactory Z119.
8. Collision Warning System ASS-2000, ASS-2002.
System designer. Head of Project Team.
Customer: **VietsovPetro Join Venture** – Logging and Testing Division .
Customer contact person: Mr. Duong Van Thang, director of Logging and Testing Division.
9. Electronics Fuel Dispensing Pump. 2001.
System designer. Head of Project Team.
10. Production Logging tool. 2000.
Head of Project Team.
Customer: **VietsovPetro Join Venture** – Logging and Testing Division .
Customer contact person: Mr. Duong Van Thang, director of Logging and Testing Division.
11. Control and monitoring system for Tamdao and Cuulong jack up rigs. 2001.
Project manager.
Customer: **VietsovPetro Join Venture** .
Customer contact person: Mr. Van Duc Tong.
12. Electro – magnetic logging tool AVRET200. 2001.
Sole system designer. Head of Project Team.
Customer: **VietsovPetro Join Venture** – Logging and Testing Division .
Customer contact person: Mr. Duong Van Thang, director of Logging and Testing Division.
13. Mud Logging Station. 1995-2003.
Sole system designer. Head of Project Team.
Customer: **VietsovPetro Join Venture** – Logging and Testing Division .
Customer contact person: Mr. Duong Van Thang, director of Logging and Testing Division.

14. Well Logging System ALS-03. 1997-2000.
System designer. Head of Project Team.
Customer: **VietsovPetro Join Venture** – Logging and Testing Division.
Customer contact person: Mr. Duong Van Thang, director of Logging and Testing Division.
15. Well Testing System AWT-01. 2001.
System design advisor.
Customer: **VietsovPetro Join Venture** – Logging and Testing Division.
Customer contact person: Mr. Duong Van Thang, director of Logging and Testing Division.
16. Moving Target System ATS-250. 2003.
System design advisor.
Customer: MieuMon Military Training Center.
17. Well Logging System 2003.
System designer. Head of Project Team.
Customer: **Vietnam Coal Corporation – Geophysics Logging and Testing Division.**
Customer contact person: Mr. Nguyen Van Tu, director of Logging and Testing Division.
18. Heating chamber 1999 - 2002.
System design advisor.
Customer: T262 Explosive Audit center of military of Materials - Ministry of Defence.
19. Cable Testing System. 2006.
System designer. Head of Project Team.
Customer: Communication Cable Manufacturer M3.
Customer contact person: Mr. Le Van Quang. Chief of technical Department of M3 cable manufacturer.
20. Tension – Depth logger. Cement Mass recorder. 2006.
System design advisor.
Customer: Build and Environmental Advisor company.
Customer contact person: Mr. Nguyen Anh Dung. Director.
21. Monitoring and control System for Coal Production Line. 2007.
System Integrator.
Customer: Institute of Mining Science and Technology.
End User: Uong bi Coal Mining Manufactory.
Customer contact person: Dr. Phung Manh Dac.

Publications

1. Anisakov O.M., Verezubova C.A., Nguyen Bac Ha, Chudakov V.A. Characteristic of long scintillator in the base of liquid scintillator // Vechik BGU. Ser I.- 1989- N^o2- p. 69-70.

2. Ansakov O.M., Gurinovich V.I., Chudakov V.A., Nguyen Bac Ha, Cely Hoan Karlos. Composite selective radioactive Densimeter.- Minsk, 1990.- 10p, Dep. v. VINITI 22.10.90, N⁰ 5430-V90.
 3. Ansakov O.M., Chudakov V.A., Cely Hoan Karlos, Nguyen Bac Ha . Equipment for resaerching interactive between Miosbauerovskii radiation and material. - Minsk, 1990.- 10p, Dep. v. VINITI 22.10.90, N⁰ 5431-V90.
 4. Ansakov O.M., Chudakov V.A., Nguyen Bac Ha, Litvinovich IU. M. Radiation of gamma ray in cylindrical object. - Minsk, 1990,- 9p., Dep. v. VINITI, N⁰ 6242-V90.
 5. Design and manufacture system for researching of density dependance on material depth. Report of Government research project. No KH/D 08855, Gos. Reg.: 01900033155. Head of project: B.A. Chudakov. Minsk, BGU im. Lenin, 1990.
 6. PhamHoang Nam, Nguyen Bac Ha. Automation of chromatograph measurement Chromatograph. Science and Technical Journal of Army Technic al Academy (ATA). No 64-1993.
 7. PhamHoang Nam, Nguyen Bac Ha. Informatic application in tension and displacement measurement. Report of millitary ministry research project. 1994.
 8. PhamHoang Nam, Nguyen Bac Ha, Tran Ngoc Han. Electronis market Dien Bien Phu Victory. Science and Technical Journal of Army Technical Academy (ATA). No 71-1995.
 9. PhamHoang Nam, Nguyen Bac Ha, Tran Ngoc Han, Lu Van Thang, Hoang Anh Tuan. Monitoring system for oil drilling process. Journal of Science and Technology. No XXXIII, 6-1995.
 10. PhamHoang Nam, Nguyen Bac Ha, Tran Ngoc Han, ... Automatic test system for electronic equipment. Journal of military science research. Army Technical Institute (ATI). No 17, 12-1996.
 11. PhamHoang Nam, Nguyen Bac Ha, Lu Van Thang. Well Logging System ALS-03. Report in the First Vietnamese Electronics Informatic Congress (VEIC) 1999.
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[1] Dissertation Resume:

Research of application ability of gamma methode for composite densimeter, especially in intreactive with hight temperature (3000⁰C). Research of design principe of the selective radiation convertor for densimeter using gamma ray absorb.

Theoretical research and experimental control of dual energy gamma methode to identify the volatile and novolatile component of the flamed composite.

Experimental research of the long scintillation detetor, using for multi gamma dynamic control of composite. Proposed the quality analyze methode by system dual enegy of scintillation detetor.

In the single radiation, received the formule and experimentally tested the intensity low energy gamma, radiated in cylindrically material, following calculate the secondary radiation in multi-point gamma control for cylindrically composite material with low atomic number.