

Resume: **MOTTAHEDI****Personal information:**

Name: *Ali Akbar* Family Name: *Mottahedi*, birth: 1957, Iran,

**Occupation:** Member of board of directors of Bahonar Copper industry company (CSP), [www.csp.ir](http://www.csp.ir), Tel: +983431227702

Scientific member of Iranian Research Organization for Science and Technology (IROST), [www.irost.ir](http://www.irost.ir) Tel/fax: +98(21)56276635, 22172044, mobile: +989124802292, [www.irost.org/mottahedi](http://www.irost.org/mottahedi), Email: [motahedi@yahoo.com](mailto:motahedi@yahoo.com), [mottahedi@csp.ir](mailto:mottahedi@csp.ir)

**Education:**

- 1- M.Sc. in Materials Selection, from Iranian [University for Science and technology](http://www.irost.ir) , Tehran, Iran, 38 units with average grade of 16 over 20, 1996
- 2- M.Sc. in Materials Engineering, from Technology Institute of [Machine Sazi Arak](http://www.irost.ir) , Iran, 42 units with average grade of 16 over 20, 1995
- 3- B.Sc. in Material Science Engineering with specialty in Metal Forming, [Shiraz University](http://www.irost.ir) (International University in Iran), Passed 165 units (+10 free units) with average grade of 3 over 4, 1976-1985.
- 4- Diploma in Mathematics from Amirkabir high school, Mashhad - Iran, 1976.
- \* -English: up to proficiency level from [Shiraz University](http://www.irost.ir), 1978
- \* -Germany: as a level of "Grund stuff" [Carl Duisburg Centrum](http://www.irost.ir), Germany, 1988

**Ability, Technology and research field of activities and favorite:**

Aluminum, metal forming, rolling, surface finishing and metal coating, corrosion, failure investigation, heat treatment, materials processing and optimization of production line, industrial, research and technological management and systems.

**Training Courses and workshops:**

- 1-Research guest in [Fraunhofer Institute for Machine Tools and metal forming](http://www.irost.ir) Technology; Chemnitz, Germany April - June 2001
- 2-Practical Training, in field of Aluminum casting and forming Technology, CDG and [Honsel Aluminum Factory](http://www.irost.ir), Germany, Sep 1989 to March 1990.
- 3- "Potential of Electronic Commerce for SMEs Development and Marketing in Global Economy", organize by: IROST, ICCMI and IDB one week, June 2007, Tehran, Iran
- 4- "National Innovation Systems", organized by: IROST, APCTT and ICCMI, one week, June 2006
- 5- Innovation, technology and entrepreneurship, Esfahan, Iran, one week, 2006
- 6-Advanced on R&D management, one week 2003, Tehran, Iran
- 7-"Strategic management", Industrial Management organization, Tehran, Iran, tow weeks, 2003
- 8- Lubrication and oil, Shell Co. one week, Kish, Iran 2002
- 9-"Technology Management and Commercialization of Inventions and Research Results", organized by: JPO, [WIPO](http://www.irost.ir), IROST, one week, April 2002, Tehran, Iran
- 9- "Workshop of; ICP, XRD, XRF, SEM", [institute of materials and Energy](http://www.irost.ir); one week, Feb 2002
- 10-"Quality & Environmental Management Systems (Q&E)" organized by: United Nations, one week, December 1999, Kish, Iran.
- 11-"Structure and Documentation of Quality Management Systems, ISO 9000", IDRO and IROST, Arak, Iran, two weeks, October 1995
- 12-Quality Control Management, 45 days, [Industrial Management Organization](http://www.irost.ir), Tehran, Iran, 1986
- 13- Skills on scientific and research papers writing and publication, 9-10 Sept. 2007, Iranian Research Institute for Scientific information and Documentation, Tehran, Iran
- 14- Skills on Standards compiling and documentation, Jan 2008, Ir.S.O., Tehran, Iran
- 15- Engineering innovation (TRIZ), 16 May 2006, Esfahan, Iran
- 16- Attraction and participation of capital investment, 17 May 2006, Esfahan, Iran

- 17- R&D and its influence on competitive of companies, 18 may 2006, Esfahan, Iran
- 18- Intellectual property and patent, 6 Feb. 2005, IROST, Tehran, Iran
- 19- Research and Technology transfer, one week, Dec.1990, ICIRAD, Tehran, Iran
- 20-Other training about, Industrial Management, Industrial sychology, Industrial sociology and Technology, ISO 9000, ISO 14000, Computer, Technology transfer, national innovation systems, inventory, entrepreneurship, and so on.
- 21-International workshop on: Capability Building of Research Technology Organization (RTOs) in ISO/IEC 17025, by: WITRO, ISESCO and SIRIM, 10 -31 October 2009, Koala Lumpur, Malaysia
- 22- International workshop on: competitiveness strategies and technology access and adoption by SMEs in OIC countries and ION region- follow up with regional business matching, Tehran, Iran, 22-25 November 2009, by: UNIDO, MAKTA, ISIPO, RCSTT, IDB, IROST
- 23- National Innovation Systems and Intellectual Property, Asian regional workshop October 7-9 2013, Islamabad, Pakistan, ISESCO, COMSATS, INIT, CIIT
- 24- Risk management, 1914, Sadre Tamin Co, Tehran, Iran,

**Visit of research center, Industries and so on in:** Iran, Germany, China, Japan, Malaysia, Emirate, Italy, Dubai, India, Arabia Saudis, Syria, Turkey, Swaziland, Belgium, French, Hungary, Sweden, Austria, Netherland, Azerbaijan, Russia, Pakistan, Greece, Spain,

#### **Workshop and training course presentation:**

- |  |   |
|--|---|
| 1- Strategic management                            | 7- Quality control management             |
| 2- Research& technology management                 | 8- Case study research in industry        |
| 3- Evaluation of industrial formation by Statistic | 9- Flat rolling                           |
| 4- Industrial development strategy                 | 10- Quality control in rolling industries |
| 5- Technology management in industries             | 11- Technology in forged steel rolls      |
| 6- Innovation and intellectual property            | 12- Crown on rolls                        |
|  | 13- Coining new technology                |

#### **EXPERIENCES:**

- 1- Member of board of directors of Bahonar copper industry company ([CSP](#)), 2014 up to now
- 2- Vice deputy of planning and organization of [IROST](#), 2005, manager of industrial metallurgy and processing group, [IROST](#), 2006 -2009
- 3- Technology manager and Consultant of [Iranian University of Technology and applied sciences](#), 2006-2007
- 4- Technology manager and Consultant of [ALDA Co.](#), 2005
- 5- Vice President of Iranian Aluminum Company ([IRALCO](#)) and managing director of Arak Aluminum Corporation, 2002 -2004
- 6- Board member of [Tecnicon Company](#), 2002-2003
- 7- Planning, research and development Deputy and manager of new 11000 tons Aluminum production plant, 2002
- 8- Head of [Arak Center](#) of Iranian Research Organization for Science and Technology (IROST) Arak - Iran, 1992-2001
- 9-Consultant of: [IROST](#), and companies of [Machine Sazi Arak](#), Combine Sazi, [Iranian petrochemical technology](#), ALDA, Practical Science University, Technological deputy of Science, Research and Technology ministry and some other industrial organization or companies.
- 10- Research and Development (R&D) Manager in [Aluminum Rolling - Mill Co.](#) Arak, Iran, 1989-92
- 11- Quality Control (Q.C.) Manager in Aluminum [Rolling - Mill Co. Arak](#) - Iran, 1985-1989
- 12- Assistant of Material Science in [Electronic Components Industry](#), Shiraz- Iran, 1983-1985
- 13- Member of Reorganizing Committee in Shiraz university, -Iran, 1980-1984
- 14- Teaching of Philosophy, Mathematics, and physics In High Schools. Shiraz - Iran, 1979-1984

- 15- Academic Teaching: Heat Treatment, Material Science, industrial metals, Corrosion and so on in universities of: [Arak](#), Science and Technology, Machine Sazi, [Shahrood](#) , 1998 - up to now.
- 16- Member of different committees in the field of Industrial, research, Technology, academic and so on activities.
- 17- Reviewer, referee, supervisor of more than 300 research and technological projects and papers.

### **Published Papers (Journal):**

- 1- [Why man get tiered in trip], Daneshmand Journal, No.418, 1998 - Iranian Republic Newspaper, 2000, [Ali Akbar Mottahedi](#)
- 2-[Electroless Tin Plating of Copper], Pakistan Journal of Analytical & Environmental Chemistry, ISSN: 19996-918x, national center of excellence in analytical Chemistry, University of Sindh, Jomshoro, Pakistan, [A.A. Mottahedi](#), P: 1-7, Volume 2, Number 2, Dec. 2001
- 3- [A new procedure for electroless Tin plating of copper], Journal of Material Science Research India, Volume2, No.1, 2004, ISSN: 0970-20X, [Ali Akbar Mottahedi](#)
- 4- [Corrosion and decreasing installation ports age], Bandar O Darya, No. 7, May 2007, Tehran, Iran, [Ali Akbar Mottahedi](#)
- 5- [Investigation of Galvanic Corrosion in Screw down of Hot Aluminum Rolling mill], Asian Journal of Chemistry, ISSN0970-7-77, Volume 20, No. 8, 2008, India, [Ali Akbar Mottahedi](#), (ISI)
- 6- [Simulation of flat rolling and analyzing of rolling pressure profile], Oriental Journal of Science & Technology Volume 1 No. 1, April, 2008, [Ali Akbar Mottahedi](#)
- 7- [Using Oxygen Reaction as Electricity Saving in Electric Arc Furnace Steel Making], International Journal of Chem Tech Research. ISSN: 0974-4290, Vol.1, No1, pp62-70, Jan- March 2009, 1) [A.A. Mottahedi](#), 2) S. Amani, Professor of chemical department, Arak university,
- 8- [Production of Y-Junction Carbon Nanotubes by Floating Catalyst Method with a Low Cost and Highly Y- Branched Approach], International Journal of ChemTech Research, ISSN: 0974-4290, Vol.1, No.1, pp 53-61, Jan – March 2009, 1. Same Yousefie, 2. [A. A. Mottahedi](#)
- 9- [Investigation of Phase Transformation of Forged Steel Cold Rolls Due to Heat Affecting and Prevent its Failure], Defect and Diffusion Journal, 2009, [A. A. Mottahedi](#) , (ISI)
- 10- [Evaluation of National Research and Science Strategy in Engineering Group], Iranian engineering education journal, No. 42, summer 2009, Iran, R. Mahdi, M.Y. D. Sorkhabi, Z. Sabbaghian, H. Fatemi, [A. A. Mottahedi](#)
- 11-[A process for saving energy and time in electric arc furnace], [Mottahedi, AA](#) Advanced Processing of Metals and Materials, Vol. 2 , thermo and Physiochemical principles, Iron and steel making Pages: 363-370 Published: 2006, (ISI)
- 12-[analysis of strategies of research and science creation in engineering science and technology], periodical Journal of science and Technology policy, 2010, Tehran, Iran, R. Mahdi, M.Y. D. Sorkhabi, Z. Sabbaghian, H. Fatemi, [A. A. Mottahedi](#)
- 13-[Change of academic regulation and systems, the necessity for improvement of Iranian national technology and industrial development], Journal of industry and university, Vol.3 No.9 &10, autumn, winter 2011, Tehran, Iran [A.A. Mottahedi](#),
- 14-[Effect of T6 and Re-Aging Heat Treatment on Mechanical Properties of 7075 Aluminum Alloy], International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, Vol:9, No:11, 2015, M. Esmailian, M. Shakouri, [A. Mottahedi](#), S.G. Shabestari

### **Conference Papers:**

- 1- [Influence of educational technology on engineering students education], Educational Technology in Iran, 24-25 October 2001, Arak University, Iran
- 2- [Process of Saving Energy and Time in an Arc Electric Furnace], 2<sup>th</sup> international and 12<sup>th</sup> national Chemistry conference, 4- 6 Feb. 2002, University of Sindh, Jamshoro, Pakistan,
- 3- [A procedure for Chromate Conversion Coating of Commercial Galvanized Steel to Olive Color at Normal Temperature], Modeling, control, and optimization in ferrous and non - ferrous industry,

- Chicago, Illinois, USA, November 2003, (*ISI*) [pp. 253-257] A.A. Mottahedi
- 4- [Aluminum Flat Rolling Computer Simulation], Industrial Aluminum national Conference, Iranian Science and Technology University, 6-7 Dec. 2004 Tehran, Iran
  - 5- [A Process for Saving Energy and Time in Electric Arc Furnace], TMS, International Symposium on Advanced Processing of Metals and Materials: Principles, Technologies and Industrial Practice, 27-31 August, 2006, Santiago, California, USA
  - 6- [Investigation of promotion role of academic members in Iran on cooperation and relation between University and Industry from Technological view], 3.ed international and 10ed national conference in cooperation of Industry, Government and University, Azad University, Tehran, Iran, 12-14 December 2006
  - 7- [Investigation of locally defected of cold work forged Steel rolls in nonferrous rolling technology], KMCM2007, International Joint conference on Knowledge management for composite material, Düsseldorf, Germany, 3-6 July 2007
  - 8- [Case Study of Galvanic Corrosion in Screw down of Hot Aluminum Rolling mill], KMCM2007, International Joint conference on Knowledge management for composite material, Düsseldorf, Germany, 3-6 July 2007
  - 9- [Examination of exerted forces to the 'Diffuser' of Exhaust system of Gas turbine V94.2], 1) Mahdi Mottahedi, 2) A. Ghareghani, 3) M. J. Kermani, 4) A. A. Mottahedi 2<sup>nd</sup> specialized conference on petrochemical and power plant industry, Jan 2008, Abbasspoor University, Tehran, Iran,
  - 10- [Solutions for development of cooperation and relationship between Industry and institutes], 4.ed international and 11ed national conference in cooperation of Industry, Government and University, Jan 2008, Electricity Institute, Tehran, Iran
  - 11- [Analysis and examination of exerted forces to the 'Air intake' of Gas Turbine V94.2], 1) Mahdi Mottahedi, 2) A. Ghareghani, 3) M. J. Kermani, 4) A. A. Mottahedi 2<sup>nd</sup> International Conference on Recent Advances in Experimental Fluid Mechanics, 3-6 March 2008, Vijayawada, Andhra Pradesh, India
  - 12- [Examination of exerted forces to the 'Diffuser' of Exhaust system of Gas turbine V94.2], 1) Mahdi Mottahedi, 2) A. Ghareghani, 3) M. J. Kermani, 4) A. A. Mottahedi, 2<sup>nd</sup> International Conference on Recent Advances in Experimental Fluid Mechanics, 3-6 March 2008, Vijayawada, Andhra Pradesh, India
  - 13- [Electricity Reduction in Electric Arc Furnace Steel making], ICPER2008, International Conference on Plant Equipment and Reliability, 27-29 March 2008, Kuala Lumpur, Malaysia,
  - 14- [Computer Simulation of Flat Rolling Technology Process], ICPER2008, International Conference on Plant Equipment and Reliability, 27-29 March 2008, Kuala Lumpur, Malaysia,
  - 15- [A Procedure for Analysis of exerted forces to the Diffuser of Exhaust system of Gas turbine], Mahdi Mottahedi, A. A. Mottahedi, ICPER2008, International Conference on Plant Equipment and Reliability, 27-29 March 2008, Kuala Lumpur, Malaysia,
  - 16- [Maximum Pressure Analyzing and Simulation of Flat Rolling Technology], KMCM 2008, 2<sup>nd</sup> International Joint Conference on Composite Engineering & Design, Vancouver, BC, Canada, 8-11 July 2008
  - 17- [Investigation of Cladding Mild Steel by Martensitic Stainless Steel by Submerge Welding Process], 1. Ali Akbar Mottahedi, 2. M. B. Farahani, KMCM 2008, 2<sup>nd</sup> International Joint Conference on Composite Engineering & Design, Vancouver, BC, Canada, 8-11 July 2008
  - 18- [Production of Y-junction carbon nanotubes by floating catalyst method with a low cost and highly Y-branched approach], KMCM 2008, 2<sup>nd</sup> International Joint Conference on Composite Engineering & Design, Vancouver, BC, Canada, 8-11 July 2008, 1. S. Yousefi, 2. A. A. Mottahedi
  - 19- [Diffusion and Influence of Phase Transformation of Sorbite to Troostite on the Forged Steel Cold Rolls], 7-Th International conference DIMAT2008 (diffusion in Materials), 28-31 October 2008, Beatriz - Costa Teguisse, Lanzarote Canary Island, Spain

- 20- [Computer simulation of Aluminum Strip Rolling Technology], International multi conference of engineers and computer scientists 2009 (IMECS2009).Hong Kong, March 2009
- 21- [Investigation and evaluation of Computational Simulation of 7075 Aluminum Flat Rolling Technology], Iran International Aluminum conference, 22-23 April 2009, Tehran Iran, A.A. Mottahedi
- 22-[Investigation of Heat Affected and Phase Transformation of Sorbite to Troostite on Decreasing Fracture Toughness of Cold Rolls Steels], ICF12 2009 12th International Conference on Fracture 12-17 July 2009, Ottawa, Canada, 1-Ali Akbar Mottahedi, 2-Mahdi Mottahedi
- 23- [Holding Time and Temperature Investigation on Aluminum Foaming Casting Process], 4<sup>th</sup> International Joint Conference on: Integrated Systems Design and Technology, 7-9 June 2010, Siegen, Germany, Ali Akbar Mottahedi
- 24- [Aluminum Foam Weight Optimization to Increase Absorption Energy in Melt Process], 6<sup>th</sup> International Conference of “Materials Structure & Micromechanics of Fracture” (MSMF6), 27-30 June 2010, Brono University of Technology, Brono, Czech Republic, A.A. Mottahedi, M. Mottahedi
- 25- [Effect of Melting Temperature on Decomposition of Titanium Hydride in Aluminum Foaming Process], Fifth International Conference on Thermal Engineering: Theory and Applications, 10-14 May 2010, Ryeson University, Marrakesh, Morocco, A.A. Mottahedi, S. Amani, M. Mottahedi, M. Mizani
- 26- [Investigation of Extra Oxygen on Electricity Consumption in Electric Arc Furnace Steel Making to Saving Energy], [19th International Congress of Chemical and Process Engineering](#), CHISA 2010 & the 7th European Congress of Chemical Engineering ECCE-7, 29/08/2010 - 02/09/2010, Prague Czech republic, A. A. Mottahedi, S. Amani<sup>1</sup> (IROST, Tehran, IR; <sup>1</sup>Arak Univ., IR) [1333]
- 27- [Aluminum Industry development Strategy in Iran], Fray 2111, International symposium, 4-7 Dec. 2011, Cancun, Mexico, Ali Akbar Mottahedi
- 28- [Aluminum Foam Weight Optimization to Increase Absorption Energy in melt process], Fray 2111, International symposium, 4-7 Dec. 2011, Cancun, Mexico, Ali Akbar Mottahedi
- 29- Keynote speaker: [A proper Roadmap for Development in Aluminum Producer Companies of Iran, Considering New Energy Cost Situation], IIAC 2012, Iran international Aluminum Conference, 15-16 May 2012, Arak, Iran, Ali Akbar Mottahedi
- 30- [Environmental Stress of man Due to Non Uniform Non Continuous Velocity], ICEBESE 2012, International Conference on Environmental, Biological, Ecological Sciences, & Engin., May 29-31, 2012, Tokyo, Japan, Ali Akbar Mottahedi, World Academy of Science, Engineering and Technology (WASET)
- 31- [Optimization of Aluminum Foam Weight to Increase Absorption Energy in Melt Process], ICAMAME 2012, International Conference on Mechanical, Aeronautical and Manufacturing Engi, Tokyo, Japan, May 29-31, 2012, Ali Akbar Mottahedi, World Academy of Science, Engineering and Technology (WASET)
- 32- [Surveying on National Innovation Systems and Intellectual Property on Iranian Industries, Research and Technologies Centers], Ali Akbar Mottahedi, National Innovation Systems and Intellectual Property, October 7-9 2013, Islamabad, Pakistan,
- 33- A. A. Mottahedi, Investigation of Metallurgical Phase Transformation and its effects on big Rotating Forged Steel Parts, 5<sup>th</sup> Rotating parts conference, 21-22 Jan2014, Tehran, Iran
- 34- Mehdi Shakouri, Mohammad Esmailian, Saeed Shabestari, Ali Akbar Mottahedi, Efect Of Retrogression Time In RRA Heat Treatment On Mechanical Properties Of 7055 Aluminum Alloy, Iran International Aluminum conference, 25,26 May 2014, Tehran, Iran,
- 35- Study on Blistering Defect in Brass 70-30 Rolled Sheets Shahid Bahonar Copper Industries Co., Ahdieh Pourfereidouni, Seyed Mohammad Mahdi Arvin, Ali Akbar Mottahedi, Reza Gholamipour, 4<sup>th</sup> international conference of Iranian metallurgical and foundry societies (iMat2015), 10-11 Nov.2015, Tehran, Iran,

36- Study the Effective parameters on hardness of Brass 70-30 Rolled Sheets Shahid Bahonar Industries Co., Maryam Haerifar, Seyed Navid Soyouf Jahromi, Seyed Mohammad Mahdi Arvin, Ali Akbar Mottahedi, 4th international conference of Iranian metallurgical and foundry societies (iMat2015), 10-11 Nov.2015, Tehran, Iran,

#### **Patents:**

- 1- "Aluminum foaming Process up to 1 Kgram/ds<sup>3</sup> density by using foaming agent", A. A. Mottahedi - M. Mizani,
- 2- "Increasing viscosity of Aluminum melt in Aluminum foaming process, by Cao", A. A. Mottahedi
- 3- "Process of distinguish, prevention and removing metallurgical defect on cold work steel rolls or dies before cracking initiation of fracture", A. A. Mottahedi,
- 4- "Know How for prevent surface scratches of strip coil on nonferrous metals", A. A. Mottahedi
- 5- "Reduction of tap to tap time and increasing its productivity in EAF in steel making by excess Oxygen blowing", A. A. Mottahedi
- 6- Process of chromate conversion coating bath for Zinc and galvanized steels for Olive drub color, A. A. Mottahedi

#### **Technological Activities and Research Reports:**

- 1- Technological Review of manufacturing in Electronic Part Industry, 1983, Shiraz
- 2- Electroless Tin plating of printed circuit board, 1984, Shiraz
- 3- Chromate conversion coating of Zinc on galvanized steel, July 1985.
- 4- Compilation of metal forming and flat rolling Formulas, Arak, 1986
- 5- Table of most useable steels, Feb.1986,Arak,Iran
- 6- Defects in deep drawing, Sep.1986,Arak,Iran
- 7-Wrought Aluminum Alloys data sheet, 1987, Arak, Iran
- 8- Anodizing (Translation from English to Persian) Feb.1987.
- 9- Armored plate, and rolling of hard Aluminum alloys A.A.5xxx (Volume 1, research and Production tests), Feb.1987.
- 10- Armored plate, and rolling of hard Aluminum alloys A.A.5xxx (Volume 2, research and Production tests), May 1988.
- 11- Investigation of steel rolls defects, (Tempering of steel), effect of troostite phase in tempered steel rolls, July 1987.
- 12-Technology of rolling 7075 Aluminum alloy, (research report), 1987 , Arak, Iran
- 13- Standard for Aluminum Rolling Products in Iran, Feb.1988.
- 14- System of quality control for "Navard Aluminum Company", Feb. 1988.
- 15-Aluminum alloys designation in different Standards, 1988, Arak, Iran
- 16- Engineering and Technological reports from Germany, May 1989.
- 17-Edger (properties of edger in aluminum rolling mill, design of force, power, and so on), May 1990.
- 18-Evaluation of using vertical rolling (edger) for rolling hard Aluminum alloys, 1990, Arak,Iran
- 19-Rolling of 7075 Aluminum Alloy (research report), 1993, Arak, Iran
- 20- Electro Slag remelting (Translation from English to Persian), 1994,Arak, Iran
- 21-Super Alloys, (translation), 1994, Arak, Iran
- 22- Scratch on flat rolling products (research report), 1995, Arak, Iran
- 23- Computer Simulation of Flat Rolling, 1996, Arak, Iran
- 24-Collection of technological report papers in rolling, 1988, Arak, Iran
- 25-Automation blowing oxygen in electric arc furnace of steel, 2000, Arak, Iran
- 26- Data center and analyzing of technological and Industrial data in central state of Iran. 2002
- 27- Optimization of Alumina offloading salon in IRALCO, 2003
- 28- Aluminum industries strategy in Iran, 2004, Arak, Iran

- 29- Corrosion Technology, 2004, Arak, Iran
- 30- Evaluation Arak pilot plants of Petrochemical Research & Technology Company, 2004, Arak, Iran
- 31- Collection rules for evaluation of faculty members of science and Technology organization, 2005, IROST, Tehran, Iran
- 32- Technology of making GIS (Gas Insulated Switch Gear), 2005
- 33- Influence of Cu toughness reduction of CK45 steels in electric power transmission parts, 2006
- 34- Proposal for project of a 110 thousand metric tons capacity Aluminum smelter industry, 2006
- 35- Technology, management and planning verification for Hezar Aluminum industry, Kerman, April 1997, Tehran, Iran
- 36- Evaluation of 120,000 tons capacity Phase 2 South Aluminum Company in Pars
- 37- Evaluation of 105,000 tons capacity melting, slab D.C. casting, hot and cold rolling Aluminum alloys plant
- 38- Evaluation of 70,000 tons capacity hot and cold rolling Aluminum alloys plant, 2010,
- 39- Evaluation of 60,000 tons capacity continuous casting (caster) and cold rolling Aluminum Alloys plant,  
Evaluation of 60,000 tons capacity hot and cold rolling Aluminum alloys plant for
- 40- Aluminum Foam casting technology up to 1 gram/cm<sup>3</sup> density, 2009, IROST, Tehran, Iran
- 41- Computational Analysis of rolls in flat rolling process, 2010, IROST, Tehran, Iran, A.A. Mottahedi, M. Mottahedi
- 42- Possibility of Design and Manufacturing of Forged Steel Roll in Iran, 2013, IROST, Tehran, Iran, A.A. Mottahedi
- 43- Technical and management study of Bahonar Copper Industries to improve its productivity. 2014
- 44- Copper and copper alloys (gathering) 2014
- 45- New technology in metal forming, (visiting experiments of 6 German industries) August 2014
- 46- Minting Technology and industries, Feb 2015
- 47- Crown grinding of flat rolling Technology for Bahonar copper industries, by cooperation of: Hoseinzadeh, Roholamini, Doroozi, Mohammadi, March 2015
- \*\*There are also some other industrial and technological projects for Industries that they are done without research report.

**Hobbies:** philosophy, economy and sociology, travelling, painting, any technical work or hand madding, playing music, (Santoor, an Iranian Instrument),