



Edwardo F. Fukushima is an associate professor at the Department of Mechanical and Aerospace Engineering of the Tokyo Institute of Technology. His research activities include the development of demining robots, design of controllers for intelligent robots and development of new brushless motors and drives.

Edwardo F. Fukushima, Dr. Eng.
Associate Professor
Department of Mechanical and
Aerospace Engineering
Graduate School of Science
and Engineering
Tel/Fax: +81 3 5734 3175
Email: fukusima@mes.titech.ac.jp



Gen Endo is an assistant professor at the Department of Mechanical and Aerospace Engineering of the Tokyo Institute of Technology. His research interests include mechanical design and intelligent control of mobile robots, especially in legged robots, leg-wheel hybrid robots, assistive mobile robots, educational robots and demining robots.

Gen Endo, Dr. Eng.
Assistant Professor
Department of Mechanical and
Aerospace Engineering
Graduate School of Science
and Engineering
Tel/Fax: +81 3 5734 2774
Email: gendo@mes.titech.ac.jp

U.S. and Vietnam Sign MOU by Cunningham [from page 6]

1. In Vietnam, this war is called the American War.
2. "Vietnam, US sign agreement for clearing war-era ordnance." *Thanhnieu News*. 17 December 2013. <http://bit.ly/1l7TeVn>.
3. "Vietnam." *Landmine and Cluster Munition Monitor*. Last modified 30 August 2013. <http://bit.ly/MaS3oW>.
4. "Vietnam." Mines Advisory Group. Last modified 30 August 30 2013. <http://bit.ly/1eWpfbo>.
5. "Vietnam: Life-threatening Landmine Scavenging on the Increase." *IRIN News*. 1 January 2014. <http://bit.ly/1cFqM4T>.

Outcome Monitoring in Humanitarian Mine Action by Nedergaard [from page 7]

1. Millard, A.S., and K.B. Harpviken. "Reassessing the Impact of Humanitarian Mine Action." *PRIO Report 1/2000*. 2000. Accessed 17 September 2013. <http://tinyurl.com/ny2m8a6>.
2. See for instance: "Mine Action Evaluation: Evaluation Report of DFID Mine Action Funding." *WYG International Limited*. May 2013.
3. For more information, please refer to <http://tinyurl.com/kb22drt>, and download DDG's impact-monitoring manual.
4. Refer to the humanitarian accountability partnership (HAP) of which DDG is a partner. Accessed 20 August 2013. <http://tinyurl.com/c3wyyt>.
5. For more discussion, see Simister, N. "Developing M&E Systems for Complex Organisations: A Methodology." *INTRAC M&E Paper 3*. October 2009. Accessed 20 August 2013. <http://tinyurl.com/luwowk9>.
6. Chambers, Robert. "The Power and Potential of Participatory Statistics." Presentation at the Institute of Development Studies, University of Sussex, Brighton. 22 April 2013.
7. An informal mine action M&E practitioners meeting was held in Copenhagen to facilitate more knowledge-sharing on data collection within the sector. The meeting took place 2-3 July 2013 and included the following participants: UNMAS, UNDP, UNOPS, GMAP, MAG, NPA, DCA, GICHD and DDG.
8. After this article was written, a Statement on Outcome Monitoring in Mine Action was developed as a joint effort within the sector. The statement sets principles and guiding indicators for outcome monitoring in mine action. HI, MAG, NPA, DCA and DDG all signed up to the principles in the statement. Accessed 21 February 2014. <http://bit.ly/1l5lcrM>.

Amendments to the IMAS Land Release Series by Gray [from page 11]

1. The updated versions (07.11 Land Release, 0810 Non-technical Survey and 08.20 Technical Survey) are available to download at <http://bit.ly/LPNUWP>.

Effects of Mixed Teams on Land Release by Bini, Janssen and Jones [from page 14]

1. Baseline assessments were conducted in Afghanistan, Democratic Republic of the Congo, Iraq, Lebanon, Libya and South Sudan (two different organizations). These assessments were conducted for different organizations and have not been published.
2. Note that all answers from respondents represent their personal views and experiences and do not always reflect GMAP's views.
3. The land release process encompasses the efficient application of survey and clearance and the subsequent handover of land.
4. "Cartagena Action Plan 2010–2014: Ending the Suffering Caused by Anti-personnel Mines." *Cartagena Summit on a Mine-Free World*, Action No. 15, 20 and 52. Cartagena de Indias, Colombia, 30 November–4 December 2009. <http://bit.ly/19c4WaL>.
5. "Vientiane Action Plan." *Convention on Cluster Munitions*, Action No. 14. Vientiane, Laos, 12 November 2010. <http://bit.ly/1LYkFm>.
6. United Nations Mine Action Service. *IMAS 07.11: Land Release*. Section 5. New York: UNMAS, 10 June 2009. <http://bit.ly/1fd3F4t>.
7. Gender and Mine Action Programme. "Gender-sensitive recruitment and training in mine action: Guidelines." Geneva: GMAP, 2013. <http://bit.ly/1aOjvNU>.

Scalable Technical Survey for Improved Land-release Rates by Bach [from page 17]

1. Subdivision is normally only applicable to mine survey.
2. The latter implies, as a minimum, considerable increase in the percentage coverage during grid clearance, but more often it implies full clearance over the entire area if patterns are not determined. TS should not be considered light clearance of areas with low densities of mines. The latter would imply some form of risk mitigation, which is not the purpose of TS and may also be a violation of the conventions.
3. This process is less applicable when searching for CMR and not applicable when searching for other ERW.

Managing Residual Clearance: Learning From Europe's Past by Paunila [from page 22]

1. Creighton, Michael, Atle Karlson and Mohammed Qasim. "Cluster Munition Remnant Survey in Laos." *The Journal of ERW and Mine Action* 17, no. 2 (Summer 2013) 12–6. <http://bit.ly/1k7xbci>.
2. GICHD. "Sourcebook on Socio-Economic Survey." Geneva: GICHD, December 2011. Accessed 4 February 2014. <http://bit.ly/1gwJHAz>.

3. "Statements by Vietnam and Lao PDR: 4th Meeting of the States Parties." *Convention on Cluster Munitions*. Last modified 13 September 2013. <http://bit.ly/12jBL9>.
4. GICHD. "Priority Setting in Mine Action: The Need for National Prioritization Systems." *GICHD Issue Brief* (November 2011): 1–16. Accessed 14 April 2014. <http://bit.ly/1mZehqg>.
5. Brown, Steve. "Mine Action: The Management of Risk." *Journal of Mine Action* 3, no. 1 (February 1999). Accessed 4 February 2014. <http://bit.ly/1avKlW>.
6. Weinberg, Gerhard. *A World at Arms: A Global History of World War II*. Cambridge: Cambridge University Press, 2005.
7. GICHD. "Management of Residual ERW: Post 1945 Evolution of Policies and Practices." 2013. Research to be published November 2014.
8. US Air Force Research Institute. "U.S. Bombing Strikes in Southeast Asia 1965–1975." *Theater History of Operations Reports* (THOR) Dataset (2013).
9. "Explore the London Blitz during 7th October 1940 to 6th June 1941." Bomb Sight: Mapping the WWII Census. Accessed 4 February 2014. <http://bit.ly/1iGvxB>.
10. King, Colin. *Explosive Remnants of War: Submunitions and Other Unexploded Ordnance*. International Committee of the Red Cross, Geneva 2000.
11. Jebens, Martin. "Analyzing Functionality of Landmines and Clearance Depth as a Tool to Define Clearance Methodology." *The Journal of ERW and Mine Action* 17, no. 2 (Summer 2013): 57–64. <http://bit.ly/188kjT8>.
12. International Committee of Red Cross. "Cambodia: Towards Total Eradication of Landmines." *Resource Centre*. Last modified 23 December 2011. <http://bit.ly/u3HV0j>.
13. Wells-Dang, Andrew. "A Regional Approach: Mine and UXO Risk Reduction in Vietnam, Laos and Cambodia." *Journal of Mine Action* 9, no. 2 (February 2006): 13. Last modified 18 September 2013. <http://bit.ly/1bdZYeb>.
14. Eaton, Bob. "Crisis, Containment and Development: The Role of the Landmine Impact Survey." *Third World Quarterly* 24, no. 5 (3 June 2010) 909–921. <http://bit.ly/1eMEC7q>.
15. BAE Systems Environmental. "Risk Assessment for German Air-dropped UXO." Olympic Park South. Last modified 1 Mar 2007.
16. Adams, Mark. "Integrating ERW Programs: The Case for Consolidating CWD Activities." *The Journal of ERW and Mine Action* 14, no. 3 (Fall 2010). Accessed 4 February 2014. <http://bit.ly/1bfHK7C>.

Environmentally Responsible SAA Disposal by Biddle [from page 26]

1. Hoyos, Carola. "Arms exporters object to UN treaty." *Financial Times*. Last modified 1 July 2012. <http://on.ft.com/Hu8KK8>.
2. "10 killer facts: the global weapons trade." Amnesty International. Last modified 31 July 2012. <http://bit.ly/G0tVQm>.
3. Anders, Holger. "Ammunition: the fuel of conflict." Oxfam International. 15 June 2006. Accessed 28 January 2014. <http://bit.ly/1afVC1f>.
4. Biddle, Ian. "Disposing of Small Arms Ammunition: Environmentally responsible SAA disposal in the field." G4S Ordnance Management Limited. 21 August 2013. Accessed 10 February 2014. <http://bit.ly/1kvL1t1>.
5. "Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter." International Maritime Organization. Accessed 19 November 2013. <http://bit.ly/1a8mLU3>.
6. "1996 Protocol to the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter, 1972." International Maritime Organization. Accessed 19 November 2013. <http://bit.ly/17lifM2>.
7. "Convention for the Protection of the Marine Environment of the North-East Atlantic." OSPAR Commission. Accessed 19 November 2013. <http://bit.ly/1aDN87G>.
8. Thiboutot, S. and G. Ampleman. "Evaluation of Heavy Metals Contamination at CFAD Dundurn Resulting from Small-Arms Ammunition Incineration." Defence R&D Canada. Accessed 28 January 2014. <http://1.usa.gov/1bG6VCo>.
9. Ammunition nature denotes specific types of ammunition and is a means of categorizing ammunition by function. "Conventional Ammunition in Surplus A Reference Guide." Small Arms Survey. Accessed 5 March 2014. <http://bit.ly/MOfg02>.
10. Ruddock, Ian. "Management of SALW Weapons and Ammunition Destruction Programs." Training and Education on Small Arms (TESA). Accessed 28 January 2014. <http://bit.ly/1h3harB>.
11. A stoichiometric conversion is a ratio that represents a relationship between two different units (i.e., 1 C / 33.8 F = 2,000 C / 3,642 F).
12. Wilkinson, Adrian. "Stockpile Management: Disposal and Destruction." In *Conventional Ammunition in Surplus*, edited by James Bevan. Geneva: Small Arms Survey, 2008: 85–102. Accessed 28 January 2014. <http://bit.ly/16PHr2Q>.

Conventional Munitions Disposal Capacity Development in South Sudan

by Commandant Francis O'Grady [from page 29]

1. "2012 Humanitarian Achievements in South Sudan." Office for the Coordination of Humanitarian Affairs. Last modified 31 December 2012. <http://bit.ly/18kUHQT>.
2. "South Sudan: The biggest threat to a woman's life." IRIN. Last modified 20 July 2012. <http://bit.ly/1c05qlz>.

3. Charles Noon (student), in discussion with the author, 27 October 2013.
4. Rambo Isaac, interview with author, 4 October 2013.
5. Interview with UNMAS press officer, 18 September 2013.
6. Col. Deng Piol Manyet Piol, interview with UNMAS staff, 27 October 2013.

Lessons From Lebanon: Rubble Removal and Explosive Ordnance Disposal by Lauritzen [from page 32]

1. "Syrian Troops Capture Town near Lebanon Border." News OK. Last modified 28 November 2013. <http://bit.ly/1awsK9E>.
2. O'Bagy, Elizabeth. "Syria Update: the Fall of Al-Qusayr." Institute for the Study of War. Accessed 4 December 2013. <http://bit.ly/1rSgzX>.
3. UNWRA. "Nahr el-Bared Palestine Refugee Camp: UNRWA Relief, Recovery and Reconstruction Framework 2008–2011." May 2008. Accessed 24 February 2014. <http://bit.ly/MplPpz>.
4. The laydown area is an area needed to dump the material from the work site.

Applying NGO Resource-mobilization Strategies to the Mine Action Community by Sosniecki and Fiederlein [from page 38]

1. "Factsheet: International Support for Mine Action." *Landmine and Cluster Munition Monitor*, May 2013. Accessed 25 February 2014. <http://bit.ly/1bjQgCT>.
2. Devlin, Jean. "Mine Action Funding: Trends, Modalities and Future Prospects." Geneva International Centre for Humanitarian Demining, November 2010. Accessed 24 February 2014. <http://bit.ly/PX0y7T>.
3. "Clearance—ICBL Statement during the Special Session on International Cooperation and Assistance." 13th Meeting of States Parties to the Mine Ban Treaty, Geneva, Switzerland, 2–5 December 2013.
4. "Congressional Budget Justification, Department of State, Foreign Operations, and Related Programs," Fiscal Year 2015. Accessed 27 March 2014. <http://1.usa.gov/1muRyWj>.
5. "MAG America Job Description." Mines Advisory Group. Accessed 14 February 2014. <http://bit.ly/NJKAI2>.
6. Hewitson, David and Arianna Calza Bini. "A General Evaluation of the Geneva International Centre for Humanitarian Demining (GICHD)." GICHD, 22 June 2010. Accessed 14 February 2014. <http://bit.ly/1gS8QOW>.
7. Mitchell, George. "Strategic Responses to Resource Dependence among Transnational NGOs Registered in the United States." *Voluntas: International Journal of Voluntary and Nonprofit Organizations* 25, no. 1 (2014): 67–91. Accessed 20 March 2014. <http://bit.ly/1eVL9eU>.
8. Khieng, Sothy. "Funding Mobilization Strategies of Nongovernmental Organizations in Cambodia." *Voluntas: International Journal of Voluntary and Nonprofit Organizations Original Paper* (August 2013). Accessed 21 February 2014. <http://bit.ly/1f2OozV>.
9. Froelich, Karen. "Diversification of Revenue Strategies: Evolving Resource Dependence in Nonprofit Organizations." *Nonprofit and Voluntary Sector Quarterly* 28, no. 3 (1999): 246–248. Accessed 20 March 2014. <http://bit.ly/1gCQVlh>.
10. "2010 Form 990 for Survivor Corps." GuideStar. Accessed 21 February 2014. <http://bit.ly/1dY7Cv2>.
11. "Lebanon." *Landmine and Cluster Munition Monitor*. Last modified 22 November 2013. <http://bit.ly/1da9JYK>.
12. "Achieving the aims of the Cartagena Action Plan: The Geneva Progress Report 2012–2013." 13th Meeting of States Parties to the Mine Ban Treaty, Geneva, Switzerland, 2–5 December 2013. Accessed 20 March 2014. <http://bit.ly/1g4OxZn>.
13. "UNMAS Mine Action Programming Handbook." United Nations Mine Action Service, January 2012. Accessed 24 February 2014. <http://bit.ly/1mDvERH>.
14. Rice, Elena. "Weapons and Ammunition Security: The Expanding Role of Mine Action." *The Journal of ERW and Mine Action* 17, no. 2 (2013): 8–11. Accessed 20 March 2014. <http://bit.ly/1g4SD3I>.
15. "South-South cooperation is a defined as "a broad framework for collaboration among countries of the South in the political, economic, social, cultural, environmental and technical domains." according to the United Nations Office for South-South Cooperation. Accessed 20 March 2014. <http://bit.ly/1g4WrBV>.
16. "Japan gives US\$9 million boost to UXO clearance in Laos." *Asia News Network*, 14 October 2013. Accessed 21 February 2014. <http://bit.ly/1hBOFln>.
17. "Panel 1: Assessing the Convention's Cooperation and Assistance Machinery—ICBL Statement during the Special Session on International Cooperation and Assistance." 13th Meeting of States Parties to the Mine Ban Treaty, Geneva, Switzerland, 2–5 December 2013. Accessed 20 March 2014. <http://bit.ly/1pffmu9>.
18. "Public-Private Partnership Program Executive Summary." U.S. State Department Office of Weapons Removal and Abatement (PM/WRA). Accessed 24 February 2014. <http://1.usa.gov/1lgGsn1>.
19. Gilson, Julie. "Learning to Learn and Building Communities of Practice: Non-governmental Organisations and Examples from Mine Action in Southeast Asia." *Global Society* 23, no. 3 (2009): 269–293. Accessed 20 March 2014. <http://bit.ly/PU92OP>.

Quality Management Systems in Mine Action Programs by Simon and De Coninck [from page 42]

1. Standard Operating Procedures (SOP) are specific operational procedures for mine action activities. SOP are evaluated against either International Mine Action Stan-

dards or national standards before use in the field. SOP can be adjusted relatively quickly to suit specific situations.

2. Standard Work Procedures (SWP) are an organization's internal procedures related to documentation, reporting and administration. Sometimes these are also called work practices. Depending on the organization, these are not easily changed and normally rely on a periodic formal review to have changes implemented. SWP are normally part of a QMS.

Typhoon Haiyan Leaves Ordnance Contamination in its Wake by Feigleson [from page 45]

1. "Typhoon Haiyan Fact Sheet #19." USAID. 31 December 2013. <http://1.usa.gov/1gXjASU>.
2. "Philippine Typhoon Disaster Zone in Brief." *The Huffington Post*. 12 November 2013. <http://huff.to/195JHYc>.
3. "Typhoon Haiyan: Philippines declares state of calamity." BBC News. 11 November 2013. <http://bbc.in/1dYh1Qj>.
4. "Philippines." *Landmine and Cluster Munition Monitor*. Last modified 25 November 2013. <http://bit.ly/1apQefy>.
5. "Flooding Unearths Cambodia's Landmines." IRIN News. 21 October 2013. <http://bit.ly/1i8GYOI>.

Survivors' Assistance in Conflict: Challenges From Eastern DRC by Kilama [from page 46]

1. Including North Kivu, South Kivu and the Ituri area of Province Orientale.
2. Statistics according to the DRC IMSMA database.
3. "Rehabilitation of Landmine Victims – the Ultimate Challenge." *Bulletin of the World Health Organization* 81.9 (2003): 665-670. Accessed 29 March 2013. <http://bit.ly/17tmoVS>.
4. Estimation made by the CRPD Advocacy Group in DRC, 24 January 2012.
5. These partners are *Actions pour le Développement Intégral par la Conservation Communautaire* (ADIC), *Synergie Pour la Lutte Antimines* (SYLAM), *Bureau des Actions de Développement et des Urgences* (BADU), *Afrique Pour la Lutte Antimines* (AFRILAM), *Ministère de l'Eglise pour les Réfugiés et les urgences* (MERU), *Centre de Réadaptation pour Personnes Handicapées* (Heri Kwetu), *Centre pour Handicapés Physiques Shirika la Um-voja Frères de la Charité* and *Handicap International* (HI).
6. Burger, Helena, Crt Marinecek, and Robert Jaeger. "Prosthetic Device Provision to Landmine Survivors in Bosnia and Herzegovina: Outcomes in Three Ethnic Groups." *Archives of Physical Medicine and Rehabilitation* 85 (2004): 19-28. Accessed 14 April 2014. <http://bit.ly/1m3fHw>.
7. Yaisimba, Micheline. Interview. Project coordinator of AFRILAM. Kisangani, Democratic Republic of the Congo. 17 June 2013.
8. Mine Action Coordination Centre in DRC. "National Standards for Mine Action: Victim Assistance." Working draft dated 29 May 2012.
9. Guiding Principles for Victim Assistance, compiled by the Working Group on Victim Assistance of the International Campaign to Ban Landmines. <http://bit.ly/1bp14VQ>. Accessed 2 July 2013.
10. "Plan Stratégique National de Lutte Anti mines en République Démocratique du Congo 2012 – 2016." *Ministère de l'Intérieur, Sécurité, Décentralisation et Aménagement du territoire and Centre Congolais de la Lutte Antimines* (November 2011): 1-69. Accessed 18 September 2013. <http://bit.ly/153eYpj>.
11. Members of this working group include *Association Congolaise pour le Développement de la Femme Handicapée* (ACOLDEMHA), *Association Nationale pour Défense des Intérêts des Victimes de mines/REG* (ANASDIV), *Campagne Congolaise pour l'Interdiction des mines* (CCIM), *Ministère de l'Eglise du Christ au Congo pour les Réfugiés et les Urgences* (ECC-MERU), *Handicap International* (HI), *Ministère des Affaires Sociales - Direction de Coordination et de Réadaptation des Personnes en situation de Handicap* (DIRECOPHA), *Ministère de la Santé Publique – Programme National de Réhabilitation à base communautaire* (PNRBC), *Ministère de la Santé Publique – Programme National de Réhabilitation à base communautaire* (PNRBC), *Point Focal National de la Lutte Antimines* (PFNLAM), *Centre de Coordination de la Lutte Antimines des Nations Unies* (UNMACC), *Voix du Handicapé pour les Droits de l'Homme* (VHDH) and *Christian Blind Mission* (CBM).
12. "Termes de référence du processus de plaidoyer sur la législation en rapport avec le handicap en république démocratique du Congo." *Defence for Children International* (March 2009): 1-82. Accessed 18 September 2013. <http://bit.ly/1a10Jun>.
13. "Mine Action and Effective Coordination: The United Nations Inter-Agency Policy." *Inter-Agency Coordination Group on Mine Action* (June 2005): 1-38. Accessed 28 June 2013. <http://bit.ly/16ntw6F>.

Mercer University Professor Provides Prosthetics in Vietnam by Qualliotine [from page 50]

1. "Mercer on Mission: Crossing Cultures. Changing Lives." Mercer on Mission Vietnam Prosthetic Program. 6 February 2014. <http://bit.ly/1khvhKo>.
2. "Landmines Still Extracting a Heavy Toll on Vietnamese Civilians." *The Guardian* 12 February 2014. <http://bit.ly/1jy1BIY>.
3. "Vietnam Mine Ban Policy." *Landmine Cluster and Munitions Monitor*. 12 February 2014. <http://bit.ly/1byqjab>.
4. "Vietnam: Helping Amputees Recover from a Legacy of Conflict." Mercer on Mission. Accessed 21 March 2014. <http://bit.ly/1nKfaYF>.
5. "Mercer Providing Prosthetic Legs to People in Vietnam." *The Marietta Daily Journal*. 6 February 2014. <http://bit.ly/1c71VJ7>.

6. "About Mercer on Mission Vietnam." *Mercer Prosthetics and Orthotics Club*. 6 February 2014. <http://bit.ly/1iv7m78>.

Machine-integrated Magnetic Collector Design and Testing by de Brun and Ahnert [from page 52]

1. *ANAMA trial of Bozena-5 magnetic collector used with the flail*, 2010. Geneva International Centre for Humanitarian Demining (GICHD).

A Discrimination Method for Landmines and Metal Fragments Using Metal Detectors by Kaneko, Fukushima and Endo [from page 59]

1. Debenest, P., E.F. Fukushima, Y. Tojo, and S. Hirose. "A New Approach to Humanitarian Demining - Part 1: Mobile Platform for Operation on Unstructured Terrain." *Autonomous Robots* 18 (2005) 303-321. <http://bit.ly/1n6zeBr>.
2. Pavkovic, N., J. Ishikawa, K. Furuta, K. Takahashi, M. Gaal, and D. Guelle. "Test and Evaluation of Japanese GPR-EMI Dual Sensor Systems at Benkovac Test Site in Croatia." *Anti-personnel Landmine Detection for Humanitarian Demining*, edited by Katsuhisa Furuta and Jun Ishikawa, 63-81. London: Springer, 2009.
3. Minelab. "The Minelab Eureka Gold." Instruction Manual.
4. Ho, K.C., L.M. Collins, L.G. Huttel and P.D. Gader. "Discrimination Mode Processing for EMI and GPR Sensors for Hand-Held Land Mine Detection." *IEEE Transactions on Geoscience and Remote Sensing* 42, no. 1 (January 2004) 249-63. <http://bit.ly/1eablVZ>.
5. Riggs, L.S., J.E. Mooney, and D.E. Lawrence. "Identification of Metallic Mine like Objects Using Low Frequency Magnetic Fields." *IEEE Transactions on Geoscience and Remote Sensing* 39, no. 1 (January 2001) 249-63. <http://bit.ly/19X8MH3>.
6. Gao, P., L. Collins, P.M. Garber, N. Geng, and L. Carin. "Classification of Landmine-Like Metal Targets Using Wideband Electromagnetic Induction." *IEEE Transactions on Geoscience Remote Sensing* 38, no. 3 (May 2000) 1,352-61. <http://bit.ly/1hEBDEi>.
7. Kruger, H., and H. Ewald. "Handheld metal detector with online visualization and classification for the humanitarian mine clearance." *Sensors, 2008 IEEE* (2008): 415-18.
8. Freese, M.A. "Improved Landmine Discrimination With an Off-the-Shelf Metal Detector." *The Journal of Mine Action* 12, no. 1 (2008): 93-99.
9. Narita, T., E.F. Fukushima, and S. Hirose. "Development of False Alarm Reduction Method of Metal Detector with Robotic Arm for Humanitarian Demining." Paper presented at the JSME Robotics and Mechatronics Conference, Okayama, Japan, 26-28 May 2011.
10. Stanley, R.J., K.C. Ho, P. Gader, J.N. Wilson, and J. Devaney. "Land Mine and Clutter Object Discrimination Using Wavelet and Time Domain Spatially from Metal Detectors and Their Fusion with GPR Features for Hand-Held Units." *Circuits Systems Signal Processing* 26, no. 2 (2007) 165-91. <http://bit.ly/1clrkQL>.
11. Collins, L., P. Gao, D. Schofield, J.P. Moulton, L.C. Makowsky, D.M. Reidy, and R.C. Weaver. "A Statistical Approach to Landmine Detection Using Broad Band Electromagnetic Induction Data." *IEEE Transactions on Geoscience and Remote Sensing* 40, no. 4 (April 2002) 950-962. <http://bit.ly/1es9yI1>.
12. Doheny, R.C., Sean Burke, Roger Cresci, Peter Ngan, and Richard Walls. "Hand-held Standoff Mine Detection System (HSTAMIDS) Field Evaluation in Thailand." U.S. Army Research Development and Engineering Command, 2005.
13. Sato M., J. Fujiwara, X. Feng, Z. Zhou, and T. Kobayashi. "Evaluation of a Hand-held GPR MD sensor system (ALIS)." *Proc. SPIE Vol. 5794: Detection and Remediation Technologies for Mines and Minelike Targets X* (2005): 1,000-07.
14. Debenest, Paulo, Marc Freese, Edwaro F. Fukushima, Toshiaki Matsuzawa, and Shigeo Hirose. "Lessons Learned from Field Tests in Croatia and Cambodia." *The Journal of Mine Action* 11, no. 2 (2008): 103-09.
15. Minelab Electronics. "F3 Metal Mine Detector - Instructors Notes and Syllabus." (2006).
16. Kaneko, A.M., and E.F. Fukushima. "Development of an Automatic Landmine Detection and Marking System for the Demining Robot Gryphon." *Journal of Advanced Computational Intelligence and Intelligent Informatics* 15, no. 6 (2011): 737-43.
17. Kaneko, A.M., E.F. Fukushima, and G. Endo. "Landmine Buried Depth Estimation by Curve Characterization of Metal Mine Detector Signals." Paper presented at the IEEE/RSJ Int. Conf. on Intelligent Robots and Systems (IROS), Tokyo, Japan, 3-7 November 2013.

**Visit the CISR website for a complete
online version of Issue 18.1:**
<http://www.jmu.edu/cisr/journal/18.1/index.shtml>