

Populärvetenskapliga publikationer

Gemensamt för programmet

- ”Halvtidsrast men ingen vila för Closing the loop”, Recycling Nr 3/2014, Plastforum 03, 2014.

Green Plastics

- Intressant svenskt projekt undersöker hur man hållbart återvinner bioplaster, www.packnyheter.se
- Forskar samarbetar med företag, www.ronneby.se
- Research on recycling of plastics gets 6 million SEK, www.hb.se
- Projekt om ÅV av biobaserade plaster, www.recyclingnet.se
- Satsning på plaståtervinning, plastkemiforetagen.se
- Bioplast på väg att bli en resurs. Teknik och Forskning, nov. 2013
- Hållbar återvinning av “gröna” plaster, konferens Avfall i nytt fokus, 18 sept 2014

MEMIMAN

- Viktigt och riktigt i avfallshanteringen, Marcus Bjelkemyr, konferens Avfall i nytt fokus, 17 sept 2014

Quick Flux

- Problemafall blir högvärdig product, SwereaMefos. I Fokus nr 2 2012
- Closing the Loop, Stena Metall/Forskningsprojekt

PhosRes

Realize

- Presentation på Bilreturs årsstämma, 2013-02-02
- Presentation på SBR:s årsmöte, 2013-03-22
- Åtta miljoner från Mistra, Nordisk bilåtervinning 4/2012
- Vi hoppas kunna få fram resultat det första året, Nordisk bilåtervinning 1/2013
- Klas letar GULD i bilarna, Nordisk bilåtervinning 2/2013
- Säkerhet och samarbete för ökad materialåtervinning, Nordisk bilåtervinning 4/2013
- Bilar – en källa till kritiska metaller? Maria Ljunggren Söderman, konferens Avfall i nytt fokus, 17 sept 2014
- Artikel om Realize i ”Återvinnare för industrin” Agneta Trädgård, 2014
- Artikel i Motor-Magasinet Nr 3/2014. ”Nya strategier krävs för ökad återvinning av fordon” av Olle Holm.
- Artikel i Ny teknik Nr 44/2014. ”Skrotbilen blir koppargruva” av Charlotta von Schultz.
- Demonteringsfilmer från Realize finns på Vimeo: <https://vimeo.com/album/3630233>

S2C

- Från restprodukt till råmaterial, Bergsmannen 2014/03
- Stål- och cementindustrin delar en resurs, Bodil Hökfors, konferens Avfall i nytt fokus, september 2014
- Industriella restmaterial blir till ny resurs i byggandet, Bodil Hökfors, konferens Ekobyggdagarna, Stockholm 2015

W2D

- Waste to Design, Isabel Ordoñez, konferens Avfall i nytt fokus, 17 sept 2014

Vetenskapliga publikationer, konferensbidrag

Green Plastics

- [Recycling of bioplastics, their blends and biocomposites](#): A review, European Polymer Journal 49 (2013) 2839–2858
- *Mechanical recycling of polylactic acid reinforced with cellulose fibres*, Book of abstracts, Nordiska Polymerdagarna, juni 2014

MEMIMAN

- Shahbazi, S. et.al. (2013) *Industrial waste management within manufacturing: a comparative study of tools, policies, visions and concepts*, 11th International Conference on Manufacturing Research (ICMR) - Cranfield University, United Kingdom
- Shahbazi, S., Bjelkemyr, M., Jönsson, C. & Wiktorsson, M. *The effect of environmental and economic perception on industrial waste management*. In: 1st International EurOMA Sustainable Operations and Supply Chains Forum EurOMA.Sus: Paper presented at 1st International EurOMA Sustainable Operations and Supply Chains Forum EurOMA.Sus, 24-25 Mar 2014, Groningen , Netherlands.
- Shahbazi, S., Sjödin, C., Bjelkemyr, M. & Wiktorsson, M. *A foresight study on future trends influencing material consumption and waste generation in production*, 24th International Conference on Flexible Automation and Intelligent Manufacturing FAIM2014, 20-23 May 2014, San Antonio, Texas, United States
- Shahbazi, S., Kurdve, M. *Material efficiency in manufacturing*, 6th Swedish Production Symposium (SPS'14), Gothenburg, Sweden, 2014
- Kurdve, M., Shahbazi, S., Wendin, M., Bengtsson, C., Wiktorsson, M. (2014) *Waste Flow Mapping: Improve sustainability and realize waste management values*, International Journal of Cleaner Production (IJCLEPRO)
- Kurdve, M. (2014), *Development of Collaborative Green lean Production Systems*, PhD thesis, Mälardalen University, Sweden
- [Lean and green integration in production systems in Sweden - barriers, incentives and opportunities \(Dec 2014\)](#)
[Martin Kurdve, Mats Zackrisson, Magnus Wiktorsson, Ulrika Harlin](#)
International Journal of Cleaner Production (IJCLEPRO)
- [MATERIAL EFFICIENCY MANAGEMENT IN MANUFACTURING \(Sep 2015\)](#)
Sasha Shahbazi, Lic thesis, Mälardalen University
- [Waste flow mapping to improve sustainability of waste management: a case study approach \(Jul 2015\)](#)
[Martin Kurdve, Sasha Shahbazi, Marcus Wendin, Cecilia Bengtsson, Magnus Wiktorsson](#)
International Journal of Cleaner Production (IJCLEPRO)
- [Perceived importance of recycling waste fractions](#)
[Marcus Bjelkemyr, Sasha Shahbazi, Christina Jönsson, Magnus Wiktorsson](#)
Advances in Production Management Systems 2015 (APMS15)

Quick Flux

- David Bellqvist, Sten Ångström, Marcel Magnusson, Love Nordhag, Ola Falk, Lennart Gustavsson. *Closing the Loop – Processing of Waste By-Product from Aluminum Recycling into Useful Product for the Steel Industry*. PRES' 15 Conference Process Integration, Modelling & Optimisation for Energy Saving and Pollution Reduction, 22-27 augusti 2015, Kuching, Malaysia.

Publicerad i: [Chemical Engineering Transactions vol 45, 2015](#).

PhosRes

Realize

- Ljunggren Söderman, M. and Andersson, M. *Screening the losses of critical materials in ELV management*, LCM 2013, Aug 2013, Gothenburg
- Ljunggren Söderman, M., *Recovery of critical materials from ELVs, Screening the losses of critical materials in ELV management*, World Resource Forum, Davos, Schweiz, 2013-10-08
- M. Andersson, M. Ljunggren Söderman, B. A. Sandén, *Scarce metals in Swedish end-of-life vehicle recycling*, SUM 2014, Bergamo, Italy
- Invited presentations - Maria Ljunggren Söderman, *Opportunities for recycling of scarce metals in vehicles*, Duncan Kushnir *Recycling and Remanufacturing of Li-ion Batteries*, Electro Mobility: Assessing the Shift from Energy Efficiency to Material Efficiency in the Automotive Life Cycle, workshop Delmenhorst, Tyskland, June 2014
- Andersson, M., Kushnir, D., Ljunggren Söderman, M. and Sandén, *Policy and path formation in the Swedish Vehicle Recycling System*, 5th International Sustainability Transitions Conference, Utrecht, The Netherlands, August 27-28, 2014
- Ljunggren Söderman, M., *Realizing resource-efficient recycling of vehicles – a Swedish research project*, Invited presentation, International workshop on ELV recycling, Tokyo, Japan, September, 2014
- Diener D, Williander M, Tillman A-M (2015). Potential material efficiency improvements via PSS: the case study of a truck manufacturer and one of its component suppliers. Life Cycle Management 2015, submitted conference abstract for oral presentation. Bordeaux, Frankrike, augusti 2015.
- Ljunggren Söderman M, Andersson M, Sandén, BA (2015) Are vehicles a source for secondary scarce metals? 8TH biennial conference of the International Society for Industrial Ecology. University of Surrey, Guildford, U.K., 7 -10 July 2015.
- Diener D, Williander M, Tillman A-M (2015) Product-service-systems for heavy-duty vehicles – an accessible solution to radical material efficiency improvements?. 7th Industrial Product-Service Systems Conference - PSS, industry transformation for sustainability and business. Saint-Etienne, Frankrike, 21-22 maj, 2015.

Rapporter etc:

- Demonteringsfilmer från Realize finns på Vimeo: <https://vimeo.com/album/3630233>

Kommande:

- Cullbrand K, Jensen C och Fråne A (2015). Utökad demontering av personbilar. Utvärdering av demontering- och fragmenteringsförsök av 220 personbilar.
- Kushnir (2015). Recycling of Li-ion batteries.

S2C

- Qixing Yang, Dongfeng He, Peng Xue, Anjun Xu, Fredrik Engström, Fenglan Han and Bo Björkman, *Studies of using slags from steel works of SSAB in Luleå to produce SAB cement with reduced CO2 emission*, abstract inskickat till The 6th International Congress on the Science and Technology of Steelmaking (ICS2015)
- Bodil Hökfors, *Utilization of iron and steelmaking slag in cement in Sweden*, abstract inskickat till The 6th International Congress on the Science and Technology of Steelmaking (ICS2015)
- Bodil Hökfors, *Speciation of trace and minor elements in cement clinker production* The 14th International Congress on the Chemistry of Cement, Beijing China. 'Final paper' skickas in i mars 2015

W2D

- Ordoñez, I., Rexfelt, O., & Rahe, U. (2012). [From Industrial Waste to Product Design](#). In T. Jachna, Y. Y. Lam, & S. Tzveetanova Yung (Eds.), *Incorporating Disciplinary Dynamics Into Design Education* (pp. 65–77). Hong Kong: DesignEd Asia Conference Secretariat. doi:9789881672124
- Rexfelt, O., Käätä, J., Li, L., Ordoñez, I., & Rahe, U. (2013). [Take Waste and Make: Guidelines for workshops to find new applications for industrial waste material](#). In *IASDR Conference 2013, Consilience and Innovation in Design, 24-30 August 2013, Tokyo*. (pp. 4151–4162). Tokyo
- Ordoñez, I., Rexfelt, O., & Rahe, U. (2014). [Waste as a starting point: educating industrial design engineering students to be active agents in closing material loops](#). In *International Conference on Engineering and Product Design Education, 4 & 5 September 2014, University of Twente, the Netherlands*. (pp. 1–6)
- Balkhammar, K., & Parsland, M. (2013). [Konceptframtagning av produkt gjord av produktionsspill](#). Chalmers University of Technology.
- Brorson, E., & Rutgersson, S. (2013). [Gångbar PVC: Att se avfall som en resurs](#). Chalmers University of Technology.
- Käätä, J., & Li, L. (2013). [Sound Waste: From Industrial Waste to Sound Absorption](#). Chalmers University of Technology.
- Niskanen, K., & Wallsten, S. (2013). [Turning Waste into Product Design: Rethinking Polyurethane Foam Waste as a Resource](#). Chalmers University of Technology. (W2D)
- Posay, A., & Elioneri, A. (2014). [Hur återvunnet material får värde på nytt](#). Chalmers University of Technology.
- Friman, K. (2014). [Designing a sustainable product from electronic plastic waste](#). Linköping University.
- Yu, Ze (2014). [Influence of Repeated Recycling and Aging Effects on Mechanical Performance of WEEEER \(Waste Electrical and Electronic Equipment plastics Blended and Recycled\)](#). Chalmers University of Technology.
- Ordoñez, I (2014)., [Turning waste into resources: Rethinking the way we discard things](#). Lic thesis, Chalmers University of Technology.