

Publications : Conference Presentations: 2005 and 2006

Conference contributions:

Auger, A. & Swarts, J.C. 2006. *Electrochemistry of multi-ferrocenylated porphyrins in a non-coordinative solvent*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Auger, A., Buitendach, B.E. & Swarts, J.C. 2006. *Investigating the functionalisation of some expanded olefinic porphyrins*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Barnard, N.I. & Swarts, J.C. 2006. *Electrochemical and Crystallographic characterisation of Ferrocene-containing β -Diketonato Titanium(IV) complexes*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Barnard, N.I. & Swarts, J.C. 2006. *Synthesis, electrochemistry and crystallography of ferrocene-containing beta-diketonato titanium(IV) complexes*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Brink, A., Roodt, A. & Visser, H.G. 2006. *Effect of tertiary phosphine substituents on $[Rh(Bid)(CO)PX_3]$ complexes in solution and solid state behaviour (Bid = different bidendate ligands)*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Brink, A., Roodt, A. & Visser, H.G. 2006. *Effect of tertiary phosphine substitution on solution and solid state behaviour of $[Rh(Bid)(CO)PX_3]$ complexes (Bid = different bidendate ligands)*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Buitendach, B.E., Auger, A. & Swarts, J.C. 2006. *Functionalisation and characterization of some expanded olefinic porphyrins*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Cloete, N., Roodt, A. & Visser, H.G. 2006. *Chromium-based model catalyst precursors for olefin oligomerization*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Cloete, N., Roodt, A. & Visser, H.G. 2006. *Synthesis and characterisation of chromium-based catalyst precursors for olefin oligomerisation*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Conradie, J. & Conradie, M.M. 2006. *Stereochemistry of the reaction pathway of the Rh(I)-beta-diketonato complex $[Rh(C_6H_5COCHCOC_5H_4S)(CO)(PPh_3)]$ with iodomethane: IR, NMR and a computational study*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Conradie, J. & Ghosh, A. 2006. *Iron(III)-nitro porphyrins: A first theoretical exploration of a unique class of reactive molecules*. Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Conradie, M.M. & Conradie, J. 2006. *Chemical kinetics and computational studies of the Rh(I)- β -diketonato complex $[Rh(CF_3COCHCOC_4H_3S)(CO)(PPh_3)]$* . Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Conradie, M.M. & Conradie, J. 2006. *Synthesis, chemical kinetics and computational studies of thiophene-containing β -diketonato complexes of Rh(I)*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Cook, M.J., Chambrier, I., Hughes, D.L. & Swarts, J.C. 2006. *A remarkable bis-cadmium tris-phthalocyanine triple decker sandwich complex*. Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Dikobe, D.G. & Luyt, A.S. 2006. *Effect of EGMA compatibilizer content on EVA-WF composites*. Paper presented as poster at the 4th International Conference of Advanced Materials and Processing (ICAMP4), Hamilton, New Zealand.

Dikobe, D.G. & Luyt, A.S. 2006. *Effect of EGMA compatibilizer content on EVA-WF composites*. Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Erasmus, E. & Swarts, J.C. 2006. *Synthetic electrochemical and kinetic aspects of ruthenocene-containing beta-diketonato and ferrocene-containing alkoxy ligands complexed to titanium(IV)*. Invited oral presentation at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Erasmus, E. & Swarts, J.C. 2006. *Synthetic, kinetic and electrochemical aspects of ferrocene- and ruthenocene-containing titanium(IV) complexes*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Erasmus, E. & Swarts, J.C. 2006. *Synthetic, kinetic and electrochemical aspects of ruthenocene-containing β -diketonato and its titanium(IV) complexes*. Paper presented as poster at the 22nd International Conference on Organometallic Chemistry, Zaragoza, Spain.

Fourie, E. & Swarts, J.C. 2006. *Synthesis, chemical kinetics and structural aspects of metallocene-containing phosphines and betadiketonato complexes of rhodium(I)*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Fourie, E. & Swarts, J.C. 2006. *Synthesis, structural aspects and chemical kinetics of metallocene-containing phosphine and beta-diketonato ligands, complexed with rhodium(I)*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Geethamma, V.G., Mokoena, M.A. & Luyt, A.S. 2006. *Effect of oxidized wax on the properties of linear low-density polyethylene-clay nanocomposites*. Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Hennion, C., Roodt, A. & Meijboom, R. 2005. *Mechanistic investigation of the equilibrium behaviour of tertiary aryl stibine and phosphite complexes of rhodium(I)*. Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Hennion, C., Roodt, A. & Meijboom, R. 2005. *Mechanistic investigation of the equilibrium behaviour of tertiary aryl stibine and phosphite complexes of rhodium(I)*. Invited oral presentation at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Hill, T.N. & Roodt, A. 2006. *Olefinic interactions with late transition metal centers: Cyclooctadiene mimicing venus fly trap structures*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Hill, T.N. & Roodt, A. 2006. *Olefinic interactions with platinum group metal centres*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Janse van Rensburg, J.M. & Roodt, A. 2006. *Organophosphorous ligands for the fine tuning of electronic and steric properties in rhodium(I) oxinato complexes*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Janse van Rensburg, J.M. & Roodt, A. 2006. *Steric and electronic effects in rhodium(I) phosphine oxinato complexes*. Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Janse van Rensburg, J.M., Roodt, A., Muller, A. & Meijboom, R. 2005. *Steric and electronic effects of bulky phosphite rhodium(I) oxinato complexes*. Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Janse van Rensburg, J.M., Roodt, A., Muller, A. & Meijboom, R. 2005. *Steric and electronic effects of bulky phosphite rhodium(I) oxinato complexes*. Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Kirk, M. 2005. *Halide exchange in bisphosphine ruthenium alkylidene complexes*. Invited oral presentation at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Kirsten, L. & Roodt, A. 2005. *Rhodium(I) Vaska-type phosphite complexes as model homogeneous catalysts*. Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Kirsten, L., Steyl, G. & Roodt, A. 2006. *A reactivity study on Rh(I) phosphite vaska-type complexes in homogeneous catalysis.* Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Kirsten, L., Steyl, G. & Roodt, A. 2006. *A solution and solid state investigation on rhodium(I) phosphite Vaska-type complexes for homogeneous catalysis.* Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Krupa, I. & Luyt, A.S. 2006. *Shape stabilized phase change materials based on low density polyethylene and paraffin waxes.* Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Kuhn, A. & Conradie, J. 2006. *Electrochemical and structural aspects of β -diketonato complexes of titanocene(IV).* Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Langner, E.H.G. 2006. *DFT studies on a series of Corrolazines.* Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Langner, E.H.G., Davis, W.L., Shago, R.F. & Swarts, J.C. 2006. *Spectroscopic and liquid crystal properties of Phthalocyanine Macromolecules with biomedical applications.* Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Luyt, A.S., Guduri, B.R. & Mishra, S. 2006. *EVA-clay nanocomposites.* Invited oral presentation at the POLYCHAR-14 Congress, Nara, Japan.

Makunya, N.M. & Roodt, A. 2005. *Tertiary phosphine induced migratory carbonyl insertion in cyclopentadienyl complexes of Fe(III).* Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Maree, C.E., Nyokong, T. & Swarts, J.C. 2006. *Innovative approaches to the treatment of cancer.* Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Meijboom, R. & Roodt, A. 2005. *Dendrimers for the immobilization of homogeneous catalysts.* Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Meijboom, R. & Roodt, A. 2005. *Organometallic dendrimers.* Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Meijboom, R. & Roodt, A. 2005. *Silver complexes as anti-arthritic and anti-inflammatory agents.* Invited oral presentation at the Cancer Association of South Africa (CANSAs) Workshop, Pretoria, South Africa.

Meijboom, R. & Roodt, A. 2006. *Dendrimers for the immobilization of homogeneous catalysts.* Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Meijboom, R. & Roodt, A. 2006. *Ligand modified cobalt carbonyl complexes as hydroformylation catalysts.* Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Meijboom, R., Muller, A. & Roodt, A. 2005. *Packing behaviour in Rh(I) phosphite Vaska-type complexes.* Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Mishra, A.K., Mishra, S.B. & Luyt, A.S. 2006. *Low density polyethylene-wood fibre-silica nanocomposites: Thermal and mechanical properties.* Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Mishra, S.B. & Luyt, A.S. 2006. *EVA-clay nanocomposites: Thermal and mechanical properties.* Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Mngomezulu, M.E., Krupa, I. & Luyt, A.S. 2006. *Phase change materials based on polyethylene, paraffin wax and wood flour.* Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Mogudi, B., Meijboom, R. & Roodt, A. 2006. *Phosphite substituted cobalt carbonyl catalysts. Synthesis, characterisation and catalytic activity in hydroformylation of olefins.* Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Mogudi, B., Meijboom, R. & Roodt, A. 2006. *Solution behaviour of cobalt catalysts for homogeneous hydroformylation reactions.* Paper presented as poster at the Conference of the Catalytic Society of South Africa, Mossel Bay, South Africa.

Mogudi, B., Meijboom, R. & Roodt, A. 2006. *Solution behaviour of cobalt catalysts for homogeneous hydroformylation reactions.* Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Mogudi, B., Roodt, A. & Meijboom, R. 2005. *Solution behavior of cobalt model catalysts for homogeneous hydroformylation reactions.* Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Mogudi, B., Roodt, A. & Meijboom, R. 2005. *Synthesis, crystal structure and hydroformylation activity of triphenylphosphite modified cobalt catalysts.* Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Molefi, J.A., Krupa, I. & Luyt, A.S. 2006. *Phase change conductive polymer composite materials.* Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Motaung, T.E., Mishra, S.B. & Luyt, A.S. 2006. *Thermal and mechanical properties of LDPE-g-MAH-silica nanocomposites.* Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Mtshali, T.N. & Purcell, W. 2006. *Crystallographic and kinetic study of the formation of the tricyanonitrido(pyridine-2-carboxylato- κ N, κ O)rhenate(V) ion $[\text{ReN}(\eta^2\text{-pic})(\text{CN})_3]^{2-}$.* Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Mtshali, T.N., Purcell, W. & Basson, S.S. 2006. *Rhenium(V) complexes as models for the nitrogen transfer catalysts.* Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Muller, A., Meijboom, R., Roodt, A., Otto, S. & Oskarsson, A. 2005. *Solid state packing behaviour in pseudo Vaska-type complexes.* Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Muller, A., Meijboom, R., Roodt, A., Otto, S. & Oskarsson, A. 2005. *Solid state packing behaviour in pseudo Vaska type complexes.* Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Muller, A., Roodt, A. & Otto, S. 2005. *Rapid phosphorous ligand evaluation utilizing selenocyanate.* Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Muller, A., Roodt, A. & Otto, S. 2005. *Rapid phosphorous ligand evaluation utilizing selenocyanate.* Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Muller, A., Roodt, A. & Otto, S. 2006. *Determining phosphorous ligand electronic properties.* Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Muller, A., Roodt, A. & Otto, S. 2006. *Rapid phosphorous ligand evaluation utilizing selenocyanate.* Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Nhlapo, L.P. & Luyt, A.S. 2006. *Thermal and mechanical properties of polyethylene-sisal fiber composites compatibilized with modified paraffin waxes.* Paper presented as poster at the UNESCO/IUPAC Conference on Macromolecules, Stellenbosch, South Africa.

Nonjola, P.T.N. & Swarts, J.C. 2006. *Synthesis, characterisation, electrochemistry and phase change thermodynamics of new ferrocene-containing beta-diketonato rhodium(I) complexes with long chain alkyl substituents.* Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Nonjola, P.T.N., Langner, E.H.G., Conradie, J., Ghosh, A. & Swarts, J.C. 2006. *Synthesis, characterisation, electrochemistry and phase change thermodynamics of new ferrocene-containing beta diketones with long-chain alkyl substituents and their rhodium(I) complexes.* Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Roodt, A. & Muller, A.J. 2005. *Continued quest for electronic properties of tertiary phosphine ligands.* Invited oral presentation at the Inorganic 2005 Congress, Pietermaritzburg, South Africa.

Roodt, A. 2005. *Radionuclide tracers for the evaluation of chemotherapeutic agents.* Invited oral presentation at the Cancer Association of South Africa (CANSA) Workshop, Pretoria, South Africa.

Roodt, A. 2005. *Reconciling solid state and solution properties: X-ray crystallography in homogeneous catalysis.* Invited oral presentation at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Roodt, A. 2005. *Solid state and solution properties: X-ray crystallography in homogeneous catalysis.* Keynote lecture presented at the CARMAN 2005 Symposium, National Physical Chemistry Conference, Eskom Convention Centre, Midrand, South Africa.

Roodt, A. 2006. *And then there were phosphines....* Invited oral presentation at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Roodt, A., Muller, A. & Otto, S. 2006. *Solid state packing behaviour in pseudo Vaska-type complexes.* Paper presented as poster at 23rd European Crystallographic Meeting, Leuven, Belgium.

Roodt, A. & Meijboom, R. 2006. *Coordination chemistry of the coin metals with special emphasis on silver.* Invited oral presentation at the 3rd Moroccan School for Crystallography, Agadir, Morocco.

Sam, Z.A. & Roodt, A. 2006. *Coordination chemistry and substitution behaviour of gold(I) complexes.* Invited oral presentation at the New Industrial Applications for Gold - GOLD 2006 Conference, Limerick, Ireland.

Sam, Z.A. & Roodt, A. 2005. *Gold complexes as anti-arthritis and anti-inflammatory agents.* Paper presented as poster at the CANSA Workshop, Pretoria, South Africa.

Sam, Z.A. & Roodt, A. 2006. *Coordination chemistry and substitution behaviour of gold(I) complexes.* Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Sam, Z.A., Roodt, A. & Elmroth, S. 2005. *Gold(I) phosphine complexes with potential application in catalysis.* Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Sam, Z.A., Roodt, A. & Elmroth, S. 2005. *Study of gold(I) complexes with linear and bidentate phosphines.* Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Shago, R.F. & Swarts, J.C. 2006. *Synthesis and characterization of porphyrins covalently bound to water-soluble polymeric drug carriers for biomedical applications.* Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Steyl, G. 2006. *The many faces of tropolone chemistry: Ligands and complexes.* Invited oral presentation at the Indaba 5 Workshop, South African Crystallographic Society, Kruger National Park, South Africa.

Steyl, G. & Roodt, A. 2005. *Crystallographic and theoretical investigation on tropolonato and palladium(II) coordination behaviour.* Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Steyl, G. & Roodt, A. 2006. *Computational study of coordination modes of 2-(amino)-1-cyclopentene-1-dithiocarboxylate and associated derivatives.* Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Steyl, G., Roodt, A. & Engelbrecht, H.P. 2005. *Spectroscopic and theoretical investigation of isomers of $[Re(O)_2(Eten)_2]^+$ complexes*. Paper presented as poster at the Catalytic Society of South Africa (CATSA) 2005 Conference, Eskom Convention Centre, Midrand, South Africa.

Steyl, G., Roodt, A. & Engelbrecht, H.P. 2005. *Spectroscopic and theoretical investigation of isomers of $[Re(O)_2(Eten)_2]^+$ complexes*. Paper presented as poster at the South African Chemical Institute (SACI) one day Meeting on Organometallic Chemistry and Homogeneous Catalysis, Riviera-on-Vaal, Vanderbijlpark, South Africa.

Steyl, G., Roodt, A. & Engelbrecht, H.P. 2005. *Spectroscopic and theoretical investigation of isomers of $[Re(O)_2(Eten)_2]^+$ complexes*. Paper presented as poster at the Conference of the World Association of Theoretically Orientated Chemists (WATOC 05), Cape Town, South Africa.

Stuurman, N.F. & Conradie, J. 2006. *Synthesis and chemical kinetics of phenyl-containing β -diketonato complexes of rhodium*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Swarts, J.C. 2006. *New titanium(IV) complexes with ruthenocene-containing ligands derived from titanocene dichloride*. Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Swarts, J.C. 2006. *Synthesis, structure and electrochemistry of ruthenocene-containing β -diketonato complexes of titanium(IV)*. Invited oral presentation at the Inorganic 4th Chianti Electrochemistry Meeting (MM-4th ChEM), Siena, Italy.

Swarts, J.C. 2006. *Titanium(IV) complexes with metallocene-containing ligands derived from titanocene dichloride*. Paper presented as poster at the 22nd International Conference on Organometallic Chemistry, Zaragoza, Spain.

Tsotetsi, T.A. & Conradie, J. 2006. *Synthesis and electrochemical aspects of new betadiketonato titanium(IV) complexes*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Venter, G.J.S., Roodt, A. & Meijboom, R. 2006. *Coordination of selective coin metals by group 15 ligands*. Paper presented as poster at the Conference of the Catalytic Society of South Africa, Mossel Bay, South Africa.

Venter, G.J.S., Roodt, A. & Meijboom, R. 2006. *Group 15 ligand coordination to selective coin metal centres*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Venter, G.J.S., Roodt, A. & Meijboom, R. 2006. *Selective coin metal coordination with group 15 ligands*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Venter, J.A., Basson, S.S. & Roodt, A. 2006. *Mechanistic elucidation of the oxidative addition of rhodium(I) complexes of *N*-aryl-*N*-nitrosohydroxylamines*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Venter, J.A., Basson, S.S. & Roodt, A. 2006. *Structural and kinetic contributions in the mechanistic elucidation of the oxidative addition of cupferrate and neocupferrate complexes of rhodium(I)*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Visser, H.G., Purcell, W. & Basson, S.S. 2006. *Hydroxide ion catalyzed bridge cleavage in cobalt(III) nitrilotriacetate complexes*. Paper presented as poster at the 15th International Symposium on Homogeneous Catalysis, Sun City, South Africa.

Visser, H.G., Purcell, W. & Basson, S.S. 2006. *Hydroxide ion catalyzed bridge cleavage in cobalt(III) nitrilotriacetate complexes*. Invited oral presentation at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.

Von Eschwege, K.G., Conradie, J. & Swarts, J.C. 2006. *Casting brighter light on photochromic reactions of metal dithizonates*. Paper presented as poster at the 37th International Conference on Coordination Chemistry (ICCC37), Cape Town, South Africa.