

Poster session: Wednesday 3 August 17:05 – 18:30

- WP-01 *Spin Dynamics and Spin Diffusion in GaAs/AlGaAs Quantum Well*
H. Ye, C. Hu, G. Wang, W. Wang, B. Liu, and X. Marie
- WP-02 *Tunneling spin injection into graphene using Al₂O₃/PTCA barrier grown by atomic layer deposition*
T. Yamaguchi, S. Masubuchi, R. Moriya, and T. Machida
- WP-03 *Conductance quantization and spin splitting in CdTe/CdMgTe nano-constrictions*
M. Czapkiewicz, J. Wróbel, V. Kolkovsky, P. Nowicki, M. Aleszkiewicz, M. Wiater, and T. Wojtowicz
- WP-04 *In-plane magnetic anisotropy of (Ga,Mn)As detected through anomalous Hall effect*
H. Amano, Y. Hashimoto, Y. Iye, and S. Katsumoto
- WP-05 *Control of rectification with current injection in (Ga,Mn)As tri-layer tunnel junctions*
Y. Hashimoto, H. Amano Y. Iye, and S. Katsumoto
- WP-06 *Ferromagnetism and electronic transport in 2D structure GaAs/InGaAs/GaAs with remote Mn delta-layer*
B. A. Aronzon, V. V. Rylkov, M. A. Pankov, A. Lashkul, and E. Lahderanta
- WP-07 *Zero field spin polarization in a two-dimensional paramagnetic resonant tunneling diode*
M. Rűth, C. Gould, and L. W. Molenkamp
- WP-08 *Hot electron transport in epitaxial perovskite oxides*
K. G. Rana, H. Modarressi, V. Khikhlovskiy, S. Parui, and T. Banerjee
- WP-09 *Electrical creation of spin polarization in p-type Ge*
H. Saito, S. Watanabe, Y. Mineno, S. Sharma, R. Jansen, S. Yuasa, and K. Ando
- WP-10 *Observation of Sub-Poissonian Shot Noise in CoFeB/MgO/CoFeB-Based Magnetic Tunneling Junctions*
T. Arakawa, K. Sekiguchi, S. Nakamura, K. Chida, Y. Nishihara, D. Chiba, K. Kobayashi, A. Hukushima, S. Yuasa, and T. Ono
- WP-11 *Electrical control of g-tensor in self-assembled InAs quantum dots*
Y. Kanai, R. S. Deacon, A. Oiwa, S. Takahashi, K. Yoshida, K. Shibata, K. Hirakawa, and S. Tarucha
- WP-12 *Shot noise measurement in the InGaAs quantum point contacts*
Y. Nishihara, S. Nakamura, K. Chida, T. Arakawa, K. Kobayashi, T. Ono, M. Kohda, and J. Nitta
- WP-13 *Localization and the Anomalous Hall Effect in a “Dirty” Metallic Ferromagnet*
P. Mitra, N. Kumar, and N. Samarth
- WP-14 *Modulation of Rashba spin-orbit interaction by radial external electric field in InAs nanowires*
S. Sasaki, G. Zhang, K. Tateno, Y. Harada, Y. Tokura, T. Sogawa, and K. Muraki
- WP-15 *Magnetoresistance induced by spin-dependent inelastic cotunneling in a ferromagnetic MnAs nanoparticle with non-magnetic electrodes*
R. Akiyama, S. Ohya, P. N. Hai, and M. Tanaka
- WP-16 *Spin-valve-like magnetoresistance of antiferromagnet-based tunnel junction*
B. G. Park, J. Wunderlich, X. Marti, J. Hayakawa, H. Takahashi, A. B. Shick, and T. Jungwirth
- WP-17 *Tunable Rashba Spin Splitting with Liquid Gated Transistors*
H. T. Yuan, K. Morimoto, B. Saeed, H. Shimotani, R. Arita, Ch. Kloc, and Y. Iwasa
- WP-18 *Spin-orbit driven spin transfer torque in nanomagnets*
L.P. Zârbo, K. Výborný, I. Garate, and T. Jungwirth

- WP-19 *Spin-dependent photocurrent at an FeGa/GaAs QW interface*
I. Suzuki, Y. Shirahata, E. Wada, M. Itoh, and T. Taniyama
- WP-20 *Anomalous Hall effect in Mn doped, p-type InAs quantum wells*
C. Wensauer, D. Vogel, U. Wurstbauer, D. Schuh, W. Wegscheider, and D. Weiss
- WP-21 *Collective enhancement of nuclear-spin pumping in a quantum-dot spin valve*
S. Chesi and W. A. Coish
- WP-22 *Magnetotransport in individual ferromagnetic (Ga,Mn)As/GaAs core-shell nanowires*
C. Butschkow, S. Geissler, A. Rudolph, M. Soda, E. Reiger, D. Schuh, G. Woltersdorf, W. Wegscheider, and D. Weiss
- WP-23 *The new type of current and spin polarization oscillations*
A. I. Kopeliovich and P. V. Pyshkin
- WP-24 *Ultra-sensitive measurement of magnetisation dependent chemical potential in ferromagnetic materials*
C. Ciccarelli, A. Irvine, J. Wunderlich, R. Campion, B. L. Gallagher, and A. J. Ferguson
- WP-25 **withdrawn**
- WP-26 *Calculation of spin torques due to helical electrons*
A. Sakai and H. Kohno
- WP-27 *Spin polarization of two-dimensional electron and hole gases in non-magnetic n-type resonant tunnelling diodes*
Y. G. Gobato, H. V. A. Galeti, D. F. Cesar, L. F. dos Santos V. Lopez-Richard, G. E. Marques, M. J. S. P. Brasil, M. Orlita, J. Kunc, D. K. Maude, M. Henini, and R. J. Airey
- WP-28 *Electrically detected magnetic resonance spectroscopy of arsenic doped silicon*
E. Sato, E. Abe, H. Morishita, W. Akhtar, K. Sawano, Y. Shiraki, and K. M. Itoh
- WP-29 *Ferromagnetic order in the (Zn,Mn)Te semimagnetic bicrystals achieved by avalanche multiplication*
Le Van Khoi, A. Avdonin, and R. R. Gałazka
- WP-30 *Local spin transport in lateral all-semiconductor spin injection devices with (Ga,Mn)As/GaAs Esaki diode contacts.*
K. Umminger, M. Ciorga, M. Utz, D. Schuh, D. Bougeard, and D. Weiss
- WP-31 *The influence of uniaxial magnetic anisotropy on the Kondo effect in an artificial molecule of spin S=1*
M. Misiorny, I. Weymann, and J. Barnás
- WP-32 *Current-induced domain wall motion in GaMnAsP*
J. Curiale, A. Lemaître, C. Ulysse, G. Faini, and V. Jeudy
- WP-33 *Intrinsic oscillation of the spin polarization in the paramagnetic resonant tunnelling diode*
P. Wójcik, B.J. Spisak, M. Wołoszyn, and J. Adamowski
- WP-34 *Spin-polarized transport in pulsed-laser annealed Ge:Mn*
D. Bürger, S. Zhou, G. Kovacs, M. Helm, and H. Schmidt
- WP-35 *Non-local spin transport devices with tunable carrier density*
J. Misuraca, J.-I. Kim, K. Meng, J. Lu, J. Zhao, P. Xiong, and S. von Molnár
- WP-36 *EPR study of bismuth-implanted silicon*
P. A. Mortemousque, T. Matsuoka, T. Sekiguchi, R. G. Elliman, and K. M. Itoh
- WP-37 *Experimental estimation of the effective field correlation time in a single InAlAs quantum dot*
R. Kaji, S. Adachi, S. Muto, and H. Sasakura

- WP-38 *Many-body states in the quantum dots*
A. Y. Silov, J. van Bree, N. A. J. M. Kleemans, J. G. Keizer, A. O. Govorov, and P. M. Koenraad
- WP-39 *Optical response of a periodic array of cylindrical magnetodielectrics*
K. Fukushima, T. Nakajima, A. Syouji, and H. Ishihara
- WP-40 *withdrawn*
- WP-41 *Light-induced effective magnetic field in a Rashba ring*
F. K. Joibari and G. E. W. Bauer
- WP-42 *Spin dynamics and anomalous spin diffusion in high-mobility (110) GaAs-based quantum wells*
R. Völkl, T. Korn, M. Griesbeck, S. A. Tarasenko, D. Schuh, W. Wegscheider, and C. Schüller
- WP-43 *Construction of an optically-detected magnetic resonance system for investigating spins in single-walled carbon nanotubes*
M. Yoshida, A. Yokoyama, S. Yasukochi, and Y. K. Kato
- WP-44 *Ultrafast spin dynamics in ferromagnetic EuO*
F. Liu, T. Makino, T. Yamasaki, K. Ueno, A. Tsukazaki, T. Fukumura, Y. Kong, and M. Kawasaki
- WP-45 *Optical anisotropy and polarization states in individual self-assembled InAlAs quantum dots*
S. Ohno, R. Kaji, and S. Adachi
- WP-46 *Unexpected Anisotropy of Electron g-factor in GaAs/AlGaAs(110) Quantum Wells*
X. Qian, X. Gu, H. Q. Ni, Z. C. Niu, and Y. Ji
- WP-47 *Electron Spin Dynamics in Heavily Mn-Doped (Ga,Mn)As*
H. Yue, Y. G. Zhu, L. F. Han, L. Chen, J. H. Zhao, and X. H. Zhang
- WP-48 *Magneto-optical properties of ferromagnetic thin films under saturated magnetization conditions*
K. Mok, L. Li, G. Kovacs, M. Helm, and H. Schmidt
- WP-49 *sp-d exchange interactions in Mn doped GaN and ZnO*
J. Suffczyński, A. Grois, W. Pacuski, P. Kossacki, A. Golnik, J. A. Gaj, D. Ferrand, J. Cibert, Y. Dumont, E. Chikoidze, C. Deparis, C. Morhain, A. Navarro-Quezada, B. Faina, T. Devillers, A. Bonanni, and T. Dietl
- WP-50 *Magnon pumping effects and spin currents in insulators*
K. Nakata
- WP-51 *Large spin accumulation with long spin diffusion length in Cu/MgO/Py lateral spin valves*
T. Wakamura, K. Ohnishi, Y. Niimi, and Y. Otani
- WP-52 *Inverted Hanle effect due to spin precession and decoherence near an interface with a ferromagnet*
R. Jansen, S. P. Dash, S. Sharma, J. C. Le Breton, H. Jaffrès, J. Peiro, J. M. George, and A. Lemaître
- WP-53 *withdrawn*
- WP-54 *Spin pumping by a magnetic insulator*
G. E. W. Bauer
- WP-55 *Ferromagnetic STM tip operating as a Spin-diode*
P. H. Penteado, F. M. Souza, A. C. Seridonio, E. Vernek, and J. C. Egues
- WP-56 *Temperature dependence of spin polarization of electric current in Co/Ni nano wires*
K. Ueda, T. Koyama, D. Chiba, H. Tanigawa, S. Fukami, T. Suzuki, N. Ohsima, N. Ishiwata, N. Nakatani, and T. Ono
- WP-57 *Electrical detection of spin accumulation in silicon through a Schottky tunnel barrier*
Y. Ando, K. Kasahara, Y. Yamane, Y. Baba, Y. Maeda, Y. Hoshi, K. Sawano, M. Miyao, and K. Hamaya

- WP-58 *Spin and orbital mechanisms of the magneto- gyrotropic photogalvanic effect*
V. Lechner, L. E. Golub, F. Lomakina, V. V. Bel'kov, P. Olbrich, S. Stachel, I. Caspers, M. Griesbeck, M. Kugler, M. J. Hirmer, T. Korn, C. Schüller, D. Schuh, W. Wegscheider, and S. D. Ganichev
- WP-59 *Spin Currents Induced by Spin Relaxation Torque in Spin-Orbit Coupled Systems*
K. Tsutsui, G. Tatara, and S. Murakami
- WP-60 *Microscopic theory of diffusive spin current*
K. Hosono, A. Yamaguchi, and Y. Nozaki
- WP-61 *Electrical spin injection into Germanium*
A. Jain, L. Lamis, C. Vergnaud, A. Barski, P. Gentile, A. Brenac, L. Notin, S. Auffret, V. Baltz, J.-C. Lebreton, J. Peiro, C. Deranlot, H. Jaffrès, J.-M. George, and M. Jamet
- WP-62 *Spin-orbit interaction and spin-dependent transport in semiconductor quantum dots*
M. Eto and T. Yokoyama
- WP-63 *Electrical detection of a pure spin current in lateral devices with single-crystalline Co₂FeSi electrodes*
N. Hashimoto, K. Masaki, S. Oki, S. Yamada, T. Kimura, M. Miyao, and K. Ham
- WP-64 *Efficient manipulations of pure spin currents using V-shape ferromagnetic wires*
S. Nonoguchi, Y. Ando, S. Yakata, and T. Kimura
- WP-65 *Pure spin current injection into polycrystalline Gd*
S. Nonoguchi, Y. Ando, S. Yakata, and T. Kimura
- WP-66 *Electrical detection of spin accumulation in Ge through a Schottky tunnel barrier*
K. Kasahara, Y. Baba, K. Yamane, Y. Ando, Y. Hoshi, K. Sawano, M. Miyao, and K. Hamaya
- WP-67 *Pseudo-entanglement between nuclear spins in photoexcited functionalized fullerenes*
V. Filidou, S. Simmons, S. Karlen, H. L. Anderson, G. A. D. Briggs, A. Ardavan, F. Giustino, D. Ceresoli, and J. J. L. Morton
- WP-68 *Spin-qubit manipulation in molecular spin systems for quantum computing based on pulsed electron multiple resonance*
K. Sato, T. Yoshino, S. Nakazawa, S. Nishida, R. Rahimi, A. Tanaka, T. Ise, K. Toyota, D. Shiomi, Y. Morita, M. Kitagawa, H. Hara, P. Carl, P. Höfer, and T. Takui
- WP-69 *Strain-induced enhancement of electric quadrupole splitting in resistively detected NMR spectrum*
M. Kawamura, T. Yamashita, H. Takahashi, S. Masubuchi, Y. Hashimoto, S. Katsumoto, and T. Machida
- WP-70 *Suppression of P donor electron spin decoherence in ²⁸Si by using SIFTER pulse sequence*
E. Kawakami, T. Sekiguchi, and K. M. Itoh
- WP-71 *Dependence of quadrupole interaction on magnetic field direction in a strained (110) GaAs quantum well*
M. Ono, J. Ishihara, G. Sato, S. Matsuzaka, Y. Ohno, and H. Ohno
- WP-72 *CW/Pulsed single-crystal ESR study of a weakly exchange-coupled biradical as models for molecular spin two-qubit systems*
K. Ayabe, K. Sato, T. Ise, S. Nishida, K. Sugisaki, S. Nakazawa, Y. Morita, K. Toyota, D. Shiomi, M. Kitagawa, and T. Takui
- WP-73 *Hole spin initialization mechanisms in two-dimensional hole systems at low temperatures*
M. Kugler, T. Korn, P. Machnikowski, K. Korzekwa, C. Gradl, S. Furthmeier, M. Hirmer, D. Schuh, W. Wegscheider, and C. Schüller

- WP-74 *Spin-light coherence and orbital tuning of single spins in diamond*
C. G. Yale, B. B. Buckley, L. C. Bassett, F. J. Heremans, G. D. Fuchs, and D. D. Awschalom
- WP-75 *Anisotropic resonant spin amplification in a high-mobility (110)-grown two-dimensional electron gas*
T. Korn, M. Griesbeck, M. M. Glazov, E. Y. Sherman, D. Schuh, W. Wegscheider, and C. Schüller
- WP-76 *Manipulating the electron spin polarization in a single InAs quantum dot by optical pulse sequence*
X. M. Dou, B. Q. Sun, D. S. Jiang, H. Q. Ni, and Z. C. Niu
- WP-77 *The application of Zwanzig-Nakajima Master equation to the central spin decoherence problem – insights from the uniform coupling model*
E. Barnes, L. Cywinski, and S. D. Sarma
- WP-78 *Spin precession via inverse Faraday effect and inverse Cotton-Mouton effect in DyFeO₃*
R. Iida, T. Satoh, T. Shimura, K. Kuroda, B. A. Ivanov, Y. Tokunaga, and Y. Tokura
- WP-79 *Single electron spin manipulation in a quantum dot without magnetic field*
S. Bednarek and J. Pawłowski
- WP-80 *Spin kinetics and coherence property of photoexcited triplets in silicon*
W. Akhtar, V. Filidou, E. Kawakami, T. Sekiguchi, L. S. Vlasenko, J. J. L. Morton, and K. M. Itoh
- WP-81 *Coherent Manipulation of Single Heavy Hole Spin*
P. Szumniak, S. Bednarek, B. Partoens, and F. M. Peeters
- WP-82 *Spin transport on the surface of a topological insulator*
B. Xia, C. Ke, P. Ren, D. H. Li, Q. Xiong, and L. Wang
- WP-83 *Anomalous behavior of the superconducting proximity effect in Bi₂Se₃ nanoribbons*
D. M. Zhang, J. Wang, J. S. Lee, A. M. DaSilva, H. R. Gutierrez, M. H. W. Chan, and N. Samarth
- WP-84 *Spin dynamics in Bi₂Se₃/GaAs heterostructures*
A. L. Yeats, B. B. Buckley, A. R. Richardella, D. Zhang, N. Samarth, and D. D. Awschalom
- WP-85 *Synthesis and Characterization of Hybrid Topological Insulator Heterostructures*
A. Richardella, D. Zhang, A. L. Yeats, B. B. Buckley, D. D. Awschalom, and N. Samarth
- WP-86 *Surface-enhanced Raman scattering of graphene on SiC*
Y. Sekine, H. Hibino, K. Oguri, T. Akazaki, H. Kageshima, M. Nagase, and H. Yamaguchi
- WP-87 *Nitrogen concentration dependence of spin relaxation time in GaInN_xAs/GaAs quantum wells*
H. Nakata, T. Asami, T. Ushimi, T. Ishizuka, S. L. Lu, Z. C. Niu, and A. Tackeuchi
- WP-88 *Observation of spin relaxation in single-layer highly uniform InAs quantum dots by time-resolved pump-and-probe measurement*
K. Sasayama, J. Ohta, S. Nakanishi, K. Yamaguchi, and A. Tackeuchi
- WP-89 *Anomalous Hall effect in random spin chirality systems*
A. Shitade and N. Nagaosa
- WP-90 *Dynamics of magnetization on the surface of a topological insulator*
T. Yokoyama, J. Zang, and N. Nagaosa
- WP-91 *Theory of inverse Faraday effect in disordered metal in the THz regime*
K. Taguchi and G. Tatara
- WP-92 *Observation of spin relaxation in InGaAs grown on germanium substrate*
T. Ushimi, T. Asami, H. Nakata, T. Ishizuka, S. L. Lu, J. R. Dong, and A. Tackeuchi
- WP-93 *Electrical spin Hall measurements in Fe/In_xGa_{1-x}As heterostructures*
C. C. Geppert, M. K. Chan, E. S. Garlid, Q. O. Hu, C. J. Palmstrøm, and P. A. Crowell

- WP-94 *Spin pumping at YIG/Pt interface under temperature gradient*
Y. Kajiwara, K. Uchida, and E. Saitoh
- WP-95 *Excited-state spectroscopy in a few-electron silicon quantum dot via charge sensing and pulsed-gating technique*
C. H. Yang, W. H. Lim, N. S. Lai, A. Morello, and A. S. Dzurak
- WP-96 *Host isotope effect on the ENDOR spectra of ^{31}P donor in silicon*
T. Sekiguchi, S. Tojo, E. Kawakami, A. Tyryshkin, S. Lyon, J. J. L. Morton, K. M. Itoh, M. L. W. Thewalt, H. Rieman, N. V. Abrosimov, P. Becker, and H.-J. Pohl
- WP-97 *g -factor engineered GaAs/AlGaAs quantum wells measured using electron spin resonance*
G. Allison, S. Teraoka, K. Morimoto, T. Fujita, H. Kiyama, A. Oiwa, S. Haffouz, D. G. Austing, and S. Tarucha
- WP-98 *Wire Shape Effect on Spinmotive Force*
Y. Yamane, J. Ieda, J. Ohe, S. E. Barnes, and S. Maekawa
- WP-99 *Theoretical prediction of rotating magnon wavepacket*
R. Matsumoto and S. Murakami
- WP-100 *Spin-dependent transport in accelerated systems*
J. Ieda, M. Matsuo, E. Saitoh, and S. Maekawa
- WP-101 *Spin interference affected by competition between spin-orbit interaction and Zeeman effect*
F. Nagasawa, M. Kohda, and J. Nitta
- WP-102 *Photon and phonon assisted tunnelling through a single InAs self-assembled quantum dot*
S. Takahashi, T. Obata, R. S. Deacon, K. Yoshida, A. Oiwa, K. Shibata, K. Hirakawa, and S. Tarucha
- WP-103 *Strong anisotropic characteristics of excitons in strain compensated self-assembled InAs quantum dots*
S. Tomizawa, Y. Nakao, K. Akahane, N. Yamamoto, K. Ema, M. Sasaki, and J. Ishi-Hayase
- WP-104 *Coherence Transfer between Photonic Time-bin Pulse and a Semiconductor Quantum Dot Ensemble*
J. Ishi-Hayase, K. Akahane, N. Yamamoto, K. Ema, and M. Sasaki
- WP-105 *Dynamic nuclear spin polarization in all-semiconductor spin-injection lateral structures*
J. Shiogai, M. Giorga, D. Schuh, W. Wegscheider, M. Kohda, K. Kobayashi, T. Ono, J. Nitta, and D. Weiss
- WP-106 *Gapless states in a junction plane between two topological insulators with opposite chiralities*
R. Takahashi and S. Murakami

Poster session: Friday 5 August 12:30 – 14:30

- FP-01 *Lateral multiple quantum dot design with a high mobility silicon/silicon germanium hetero-structure*
T. Obata, K. Takeda, J. Sailer, D. Bougeard, and S. Tarucha
- FP-02 *Room-temperature ferromagnetic GaMnSb layers fabricated by laser deposition*
Y. A. Danilov, B. N. Zvonkov, A. V. Kudrin, O. V. Vikhrova, S. M. Plankina, V. S. Dunaev, A. V. Nezhdanov, and Y. N. Drozdov
- FP-03 *Raman scattering study as a new tool to determine the exchange integral in DMS: the case of Co^{2+} in ZnO*
W. Szuszkiewicz, J. F. Morhange, A. Łusakowski, M. Kanehisa, K. Gas, and Z. Gołacki
- FP-04 *Observation of growth process of (Ga,Mn)As with STM*
S. Kaku, K. Yagyu, T. Arai, and J. Yoshino
- FP-05 *Quasi-one-dimensional nano-structure in Cu-Ni and Fe-Cu alloys: giant Peltier effect and strong ferromagnet*
N. D. Vu, K. Sato, and H. Katayama-Yoshida
- FP-06 *Properties of TM pairs in the bulk and at the surface of GaN and GaN:Si,Mg*
N. G. Szwacki, J. A. Majewski, and T. Dietl
- FP-07 *Sign reversal of the spin polarization induced by structural disorder in the Heusler alloy Co_2FeSi*
P. Bruski, S. C. Erwin, O. Brandt, K. J. Friedland, R. Farshchi, J. Herfort, and M. Ramsteiner
- FP-08 *Growth and characterization of Mn-doped ZnSnAs_2 based ferromagnetic semiconductor trilayer on InP(001)*
H. Oomae, Y. Jinbo, and N. Uchitomi
- FP-09 *Effect of thermal annealing on magnetic properties of Mn-doped ZnSnAs_2 thin films grown by MBE*
K. Yamagami, H. Oomae, H. Endo, E. Mammadov, Y. Jinbo, and N. Uchitomi
- FP-10 *Crystalline axis dependence of the Gilbert damping factor for Heusler alloy films*
Y. Kasatani, N. Sato, S. Yamada, M. Miyao, K. Hamaya, and Y. Nozaki
- FP-11 *3d Dopants and Their Interactions in Semiconductors—Beyond Single Impurities*
H. Raebiger
- FP-12 *The carrier transport and phase transition on In_2O_3 :Cr diluted magnetic semiconductors thin films*
C. P. Lin, C. Y. Hsu, S. J. Sun, and H. Chou
- FP-13 *Structural and magnetic properties of a binary compound CrTe grown on different materials*
N. Sekita, Y. Nishio, K. Ishikawa, K. Kanazawa, S. Kuroda, M. Mitome, and Y. Bando
- FP-14 *Photo-induced anomalous Hall effect in the group-IV based ferromagnetic semiconductor $\text{Ge}_{1-x}\text{Fe}_x$*
Y. Ban, R. Akiyama, S. Ohya, and M. Tanaka
- FP-15 *RHEED investigations on Fe_3O_4 thin films grown on epitaxial TiN seed layer*
A. Kumar, D. K. Pandya, S. Chaudhary, and S. C. Kashyap
- FP-16 *The relationship of correlation effects and spin multiplicities in octahedral transition metal complexes*
S. Fukutomi and H. Raebiger
- FP-17 *GeMn nanocolumns in light of synchrotron radiation*
S. Tardif, A. Titov, S. Cherifi, V. Favre-Nicolin, T. Devillers, A. Barski, C. Porret, A. Jain, M. Jamet, E. Arras, P. Pochet, F. Lançon, N. Darowski, D. Schmitz, E. K. Hlil, Y. Joly, and J. Cibert

- FP-18 *Effect of picosecond strain pulses on thin layers of the ferromagnetic semiconductor (Ga,Mn)(As,P)*
L. Thevenard, E. Peronne, C. Gourdon, C. Testelin, M. Cubukcu, A. Lemaître, and B. Perrin
- FP-19 *Magnetic and Structural Characterisation of Co₂FeSi Polycrystalline Thin Films*
J. Sagar, L. R. Fleet, A. Hirohata, and K. O' Grady
- FP-20 *Quasi 1-dimensional Cr atomic chains embedded in (Zn,Cr)Te*
H. Nakayama, T. Fujita, and H. Raebiger
- FP-21 *Thermodynamic and thermoelectric properties of (Ga,Mn)As*
C. Śliwa and T. Dietl
- FP-22 *Enhancing the Curie Temperature of (Ga,Mn)As to 200 K via Nanostructure Engineering*
L. Chen, X. Yang, F. H. Yang, J. Misuraca, P. Xiong, S. von Molnár, and J. H. Zhao
- FP-23 *X-ray magnetic circular dichroism study of CdMnCrTe thin films*
V. K. Verma, V. R. Singh, K. Ishigami, G. Shibata, T. Kadono, A. Fujimori, T. Koide, K. Ishikawa, K. Kanazawa, and S. Kuroda
- FP-24 *First principle Vs Experimental design of diluted magnetic semiconductors for spintronic application*
O. Mounkachi, A. Benyoussef, M. Hamedoun, M. Belaiche, and M. Bousmina
- FP-25 *Molecular beam epitaxy of Co-based Heusler-alloy thin films on group-IV semiconductors*
S. Yamada, S. Oki, M. Miyao, and K. Hamaya
- FP-26 *Spin-Polarized STM on the 1.5ML Fe/W(110) surface*
J. G. Keizer, E. P. Smakman, R. van Voornveld, and P. M. Koenraad
- FP-27 *A new Fe-based n-type ferromagnetic semiconductor (In,Fe)As*
P. N. Hai, L. D. Anh, and M. Tanaka
- FP-28 *Correlation between magnetic circular dichroism, anomalous Hall effect and magnetization in (In,Fe)As*
L. D. Anh, P. N. Hai, and M. Tanaka
- FP-29 *Tunneling magnetoresistance in GaMnAs and GaAs double-quantum-well heterostructures*
I. Muneta, S. Ohya, and M. Tanaka
- FP-30 *Room temperature ferromagnetism and anomalous Hall effect in Si_{1-x}Mn_x (x ≫ 0.35) alloys*
B. A. Aronzon, V. V. Rylkov, S. N. Nikolaev, V. V. Tugushev, S. Caprara, N. S. Perov, A. S. Semisalova, A. Lashkul, and E. Lahderanta
- FP-31 *Band structure of PbMnTe – DFT and tight binding calculations*
A. Łusakowski, P. Bogusławski, and T. Radzyński
- FP-32 *Improper ferroelectricity in quaternary compounds Cu₂MnSnS₄ and Cu₂MnSnSe₄*
T. Fukushima, K. Yamauchi, and S. Picozzi
- FP-33 *Role of metal inclusions in magnetic response of (Zn,Co)O*
M. I. Łukasiewicz, M. Godlewski, E. Guziewicz, A. Wittlin, M. Jaworski, W. Stefanowicz, M. Sawicki, B. S. Witkowski, and R. Jakiela
- FP-34 *Proximity induced enhancement of the Curie temperature in hybrid spin injection devices*
C. Song, M. Sperl, M. Utz, M. Ciorga, G. Woltersdorf, D. Schuh, D. Bougeard, A. Einwanger, C. H. Back, and D. Weiss
- FP-35 *Infrared probe of charge dynamics and ferromagnetism in (Ga,Mn)As*
B. C. Chapler, S. Mack, R. C. Myers, D. D. Awschalom, and D. N. Basov
- FP-36 *Effect of copper co-doping on magnetic properties of (Ga,Mn)As*
X. Z. Yu, H. L. Wang, L. Chen, and J. H. Zhao

- FP-37 *Magnetic interactions of 3d transition metal impurities in AlN*
T. Fujita and H. Raebiger
- FP-38 *Tailoring the magnetism of GaMnAs via defect engineering by energetic ions*
S. Zhou, L. Li, L. Chen, A. W. Rushforth, J. Fassbende*, M. Helm, J. Zhao, R. P. Campion, B. L. Gallagher, and H. Schmidt
- FP-39 *Analysis of the magnetic anisotropy in ultrathin GaMnAs*
O. Proselkov, W. Stefanowicz, S. Dobkowska, J. Sadowski, T. Dietl, and M. Sawicki
- FP-40 *Large magnetostriction in epitaxial FeGa thin films.*
D. Parkes, A. Rushforth, S. Cavill, A. Hindmarch, P. Wadley, K. Edmonds, R. Campion, and B. Gallagher
- FP-41 *Origin of in-plane uniaxial magnetic anisotropy in amorphous ferromagnetic thin-films*
A. T. Hindmarch, A. W. Rushforth, R. P. Campion, C. H. Marrows, and B. L. Gallagher
- FP-42 *Bias- and strain-controlled TAMR in (Ga,Mn)(As,P) tunnelling devices*
S. Ruttala, D. Sztenkiel, C. Sliwa, M. Sawicki, H. Jaffrès, A. Lemaître, J.-M. George, and T. Dietl
- FP-43 *Electronic structure and magnetism of filled tetrahedral compound based magnetic semiconductors*
S. Fujimoto, K. Sato, and H. Katayama-Yoshida
- FP-44 *RF amplification in a CoFeB/MgO magnetic tunnel junction by ferromagnetic resonance*
K. Konishi, D. Dixit, A. Tulapurkar, T. Nozaki, H. Kubota, A. Fukushima, S. Yuasa, and Y. Suzuki
- FP-45 *A promising material for spintronic applications Si:Mn*
R. R. Pelá, F. Matusalém, L. K. Teles, M. Marques, and L. G. Ferreira
- FP-46 *Scalable spin amplification with a gain over a hundred*
M. Negoro, K. Tateishi, A. Kagawa, and M. Kitagawa
- FP-47 *STM manipulation of single Fe impurities in GaAs*
J. Bocquel, R. P. Campion, B. L. Gallagher, and P. M. Koenraad
- FP-48 *Towards electron spin qubits in nuclear spin free Si/SiGe heterostructures*
J. Sailer, J. Kierig, A. Wild, K. M. Itoh, E. E. Haller, G. Abstreiter, S. Ludwig, and D. Bougeard
- FP-49 *Nitrogen-vacancy centers in an isotopically controlled ¹²C diamond layer*
T. Ishikawa, K.-M. C. Fu, C. Santori, H. Watanabe, Victor Acosta, R. G. Beausoleil, S. Shikata, and K. M. Itoh
- FP-50 *A CNOT gate operation of synthetic electron spin-qubits and detection of their entanglement*
S. Nakazawa, P. K. Sato, R. Rahimi, T. Yoshino, S. Nishida, T. Ise, N. Mori, Y. Morita, K. Toyota, D. Shiomi, K. Nakasuji, M. Kitagawa, H. Hara, P. Carl, P. Höfer, R. Hunter, H. El Mkam, G. Smith, and T. Takui
- FP-51 *Initialization of ¹⁹F spins with dynamic nuclear polarization using photoexcited triplet electrons*
K. Tateishi, M. Negoro, A. Kagawa, K. Takeda, and M. Kitagawa
- FP-52 *A sensitive K_v-band stripline probe*
Y. S. Yap and M. Kitagawa
- FP-53 *A numerical optimization method of quantum gates incorporating dynamical decoupling and recoupling*
Y. Tabuchi and M. Kitagawa
- FP-54 *Spin manipulation in a synthetic bus spin-qubit radical by pulsed ENDOR technique*
T. Yoshino, S. Nishida, S. Nakazawa, K. Sato, R. D. Rahimi, K. Toyota, D. Shiomi, Y. Morita, M. Kitagawa, and T. Takui

- FP-55 *Formation of a NiO-like surface single layer by deposition of Ni on O/Cu(001)*
K. Amemiya and M. Sakamaki
- FP-56 *Up-conversion dynamics of entangled-photons with an optical antenna*
Y. Osaka, N. Yokoshi, M. Nakatani, and H. Ishihara
- FP-57 *Numerical calculation of electromotive force induced by 2D domain-wall motion*
H. Tokuhira, Y. Inoue, S. Kaku, and J. Yoshino
- FP-58 *Temperature dependence of transport properties of semiconductor spin field-effect transistors*
D. Osintsev, V. Sverdlov, A. Makarov, and S. Selberherr
- FP-59 *Zero-field splitting tensors of bis(iminonitroxide) biradical as a stable molecular spin component: A theoretical study*
K. Sugisaki, K. Toyota, K. Sato, D. Shiomi, K. Okada, M. Kitagawa, and T. Takui
- FP-60 *Annealing stability of perpendicular anisotropy CoFeB/MgO magnetic tunnel junctions*
H. D. Gan, S. Ikeda, M. Yamanouchi, H. Sato, K. Miura, K. Mizunuma, R. Koizumi, F. Matsukura, and H. Ohno
- FP-61 *Magnetoresistance due to carrier multiplication process in semiconductors*
Kim T. Y., Joo S. J., Lee J. S., Shin S. H., Lim J. Y., Hong J. K., Rhie K. W., Song J. D., and Shin K. H.
- FP-62 *Numerical study of current-induced dynamics in dual spin valves with perpendicular and in-plane polarizers*
P. Baláž and J. Barnás
- FP-63 *Scalability of critical current in perpendicular anisotropy CoFeB/MgO magnetic tunnel junction*
H. Sato, M. Yamanouchi, S. Ikeda, K. Miura, H. D. Gan, K. Mizunuma, R. Koizumi, F. Matsukura, and H. Ohno
- FP-64 *Measurement of complex susceptibility using vector network analyzer FMR spectroscopy*
T. Kobayashi, H. Ueda, A. Yamaguchi, and Y. Nozaki
- FP-65 *Domain wall pinning effect using a spatial modulation of interlayer exchange coupling*
T. Kawakami, A. Yamaguchi, and Y. Nozaki
- FP-66 *Ferromagnetic resonance measurement of Co/Ni perpendicular magnetized multilayers*
S. Kanda, H. Ueda, T. Kobayashi, A. Yamaguchi, and Y. Nozaki
- FP-67 *Modeling of the switching process in multi-layered magnetic tunnel junctions*
A. Makarov, V. Sverdlov, D. Osintsev, and S. Selberherr
- FP-68 *Cathodoluminescence studies of uniformity of Co distribution in ZnCoO films*
B. S. Witkowski, M. Łukasiewicz, K. Kopalko, E. Guzewicz, and M. Godlewski
- FP-69 *Spin-polarization of (Ga,Mn)As measured by Andreev Spectroscopy: The role of spin-active scattering*
S. Piano, R. Grein, C. J. Mellor, K. Výborný, R. P. Campion, M. Wang, M. Eschrig, and B. L. Gallagher
- FP-70 *Obtaining the carrier density of hydrogen doped $Ga_{1-x}Mn_xAs$ ferromagnetic semiconductors*
M. Wang, K. W. Edmonds, K. Y. Wang, K. Khazan, A. W. Rushforth, R. P. Campion, C.T. Foxon, and B. L. Gallagher
- FP-71 *Control of vortex chirality using DC current injection*
M. Miyata, S. Yakata, H. Wada, and T. Kimura
- FP-72 *low temperature annealing of interstitial impurities in (Ga,Mn)As*
H. Fujii, K. Sato, L. Bergqvist, P. H. Dederichs, and H. Katayama-Yoshida

- FP-73 *Overlapping-gate architecture for silicon Hall bar MOSFET devices in the low electron density regime*
L. H. W. van Beveren, K. Y. Tan, N.-S. Lai, O. Klochan, A. S. Dzurak, and A. R. Hamilton
- FP-74 *A spintronic source of circularly polarized single photons*
A. Merz, P. Asshoff, H. Kalt, and M. Hetterich
- FP-75 *Study on magnetization dynamics induced by current and field in a magnetic wire using rectifying effect*
A. Yamaguchi, Y. Nozaki, and H. Miyajima
- FP-76 *Rewritable spintronic application using hydrogen mediated ferromagnetic spin ordering*
S. Lee, Y. C. Cho, W.-K. Kim, S. J. Kim, and S.-Y. Jeong
- FP-77 *Electrical detection of vortex core polarity in a polygonal nanomagnet*
M. Miyata, K. Kiseki, S. Yakata, H. Wada, and T. Kimura
- FP-78 *Atomic interfacial structures in Fe/GaAs films*
L. R. Fleet, K. Yoshida, H. Kobayashi, Y. Ohno, and A. Hirohata
- FP-79 *Applicability of semi-classical approach for describing the nuclear-spin coherence in quantum dots*
M. Y. Petrov, S. V. Yakovlev, and I. V. Ignatiev
- FP-80 *Inductive detection of resonant motion of vortices in single $Fe_{19}Ni_{81}$ ellipsoidal disk fabricated on a coplanar waveguide*
H. Hata, M. Kodama, M. Goto, A. Yamaguchi, and Y. Nozaki
- FP-81 *NMR evidence for the vanishing of skyrmion excitations at large Zeeman energy*
M. H. Fauzi, S. Watanabe, and Y. Hirayama
- FP-82 *Theoretical studies on non-linear magnetoelectric effects induced by single-site spin-orbit coupling*
K. Yamauchi, and S. Picozzi
- FP-83 *Anisotropic g-factor in quantum dot with spin-orbit interaction*
T. Yokoyama and M. Eto
- FP-84 *Electrically detected electron-spin-echo envelope-modulation: a highly sensitive technique for resolving complex interface structures*
F. Hoehne, J. Lu, A. Stegner, M. Stutzmann, M. S. Brandt, M. Rohrmüller, W. G. Schmidt, and U. Gerstmann
- FP-85 *Detection of paramagnetic recombination centers in ^{28}Si enriched silicon*
T. Matsuoka, M. P. Vlasenko, L. S. Vlasenko, T. Sekiguchi, and K. M. Itoh
- FP-86 *Novel 2D spin system and its interaction with conduction electrons*
T. Gang, D. Yilmaz, D. Ataç, E. Strambini, M. P. de Jong, J. Huskens, and W. G. van der Wiel
- FP-87 *Computation of deformation potential constants of strained Ge for evaluation of hole spin relaxation time*
T. Tanaka, K. Sawano, Y. Hoshi, Y. Shiraki, and K. M. Itoh
- FP-88 *The first neutral radical-based triplet excitons with a graphene fragment: Thermally activated dynamics in the one-dimensional chain*
N. Hibi, A. Ueda, T. Yoshino, K. Sugisaki, S. Nakazawa, K. Sato, K. Toyota, D. Shiomi, M. Moriguchi, K. Fukui, Y. Morita, K. Nakasuji, and T. Takui
- FP-89 *Magnetic ripple dynamics under spin current in Permalloy wires*
K. Takayanagi, Y. Nakatani, S. Mori, and Y. Togawa

- FP-90 *Spin-orbit coupling anisotropy and avoided-crossings in energy spectra of quantum dot in an in-plane magnetic field*
M. P. Nowak, B. Szafran, F. M. Peeters, and B. Partoens
- FP-91 *Magnetic impurity scattering in atomic sized contact*
K. Ienaga, T. Kawae, H. Tsujii, and T. Kimura
- FP-92 *Observation of magnetization steps of single-molecule magnet by tunnel junction micro-SQUID*
M. Saitoh, H. Ebina, H. Oshio, and Y. Ootuka
- FP-93 *Invasion percolation universality class and fractal geometry of magnetic domains*
J. P. Attane, M. Tissier, A. Marty, and L. Vila
- FP-94 *Nuclear spin phase transition in the presence of interacting two-dimensional electrons*
R. A. Žak, D. L. Maslov, and D. Loss
- FP-95 *Towards the realization of electron spins confined in nuclear spin free Si/SiGe quantum dots*
I. Arikawa, K. Sawano, Y. Hoshi, Y. Shiraki, and K. M. Itoh
- FP-96 *Discrete Time Quantum Walk in Solid State*
Y. Shikano
- FP-97 *In-situ observation of magnetic anisotropy on growth process of alternately layered FeNi thin films*
M. Sakamaki and K. Amemiya