

**SSD 18 – 18th International Conference
on Solid State Dosimetry**

Program

Sunday • 03.07.2016

14.00–19.00 **Registration**
Room Foyer

19.00–21.00 **Welcome Party with exhibitors (Ice-breaker)**
Room Foyer

Monday • 04.07.2016

- 08.00–09.00 **Registration and Poster Mounting for Session 1**
Room Forum 4-7 & 8
- 09.00–10.45 **Opening Ceremony**
Room Forum 1-3
Chair Clemens Woda (München/DE)
N.N. (Helmholtz Zentrum München)
Adrie Bos (Chairperson, ISSDO)
Werner Rühm (Chairperson, EURADOS)
Clemens Woda (Chairperson, SSD18 Conference)
- 09.45 **Survey lecture** Radiation Protection Quantities: Current Reviews by ICRU and ICRP
Hans-Georg Menzel (Geneva/CH)
- 10.15 **Key note lecture** History and future of luminescence detectors
Mark Akselrod (Stillwater, OK/US)
- 11.15–13.00 **Session 1**
Basic physical processes – 1
Room Forum 1-3
Chairs Reuven Chen (Tel Aviv/IL); Yigal Horowitz (Beersheba/IL)
- 11.15 **Invited** An overview of numerical modelling with a focus on non-delocalised transitions
Vasilis Pagonis (Westminster/US)
- 11.45 **BPP-O-01** Regeneration, recuperation and inverse fading phenomena – theoretical analysis and consequences for modelling fundamental processes in OSL detectors
Arkadiusz Mandowski (Czestochowa/PL)
- 12.00 **BPP-O-02** A model explaining the anomalous heating-rate effect in thermoluminescence as an inverse thermal quenching based on simultaneous thermal release of electrons and holes
Reuven Chen (Tel Aviv/IL)
- 12.15 **BPP-O-03** Temperature-dependence of time-resolved optically stimulated luminescence from α -Al₂O₃:C
Makaiko Chithambo (Grahamstown/ZA)
- 12.30 **BPP-O-04** Thermally stimulated transformations of luminescence centers in TLD-500 detectors and their correlation with TL properties
Alexander Surdo (Ekaterinburg/RU)
- 12.45 **BPP-O-05** Investigation of the optical properties of the new EBT-XD radiochromic film in comparison with its predecessor EBT 3
Andreas Alexander Schoenfeld (Oldenburg/DE)
- 14.00–15.45 **Postersession 1**
Room Forum 4-7 & 8

- 15.45–17.30 **Session 2**
Basic physical processes – 2
- Room Forum 1-3
- Chairs Arkadiusz Mandowski (Czestochowa, PL); Daniel Sattinger (Beersheba/IL)
- 15.45 **Invited** Optical stimulation of luminescence - theory and applications
Alicja Chruścińska (Torun/PL)
- 16.15 **BPP-O-06** Pondering the Essence of Retrapping/Recombination Probability Coefficients in Kinetic Simulations of Thermoluminescence and Optically Stimulated Luminescence
Yigal Horowitz (Beersheva/IL)
- 16.30 **BPP-O-07** Kinetic Simulation of Charge Transfer Following Optical Bleaching of Irradiated LiF:Mg,Ti (TLD-100) at Selected Photon Energies
Ilan Eliyahu (Yavne/IL)
- 16.45 **BPP-O-08** Identification of defects responsible for optically stimulated luminescence (OSL) from Ag-doped Li₂B₄O₇ crystals
Brant Kananen (Wright-Patterson Air Force Base/US)
- 17.00 **BPP-O-09** Optically Stimulated Luminescence From CaF₂:Mn at High Temperatures
Diren Maraba (Ankara/TR)
- 17.15 **BPP-O-10** Probing metastable state of Sm²⁺ in YPO₄: Sm³⁺, Ce³⁺ through tunnelling recombination and direct excitation at cryogenic temperature
Amit K. Prasad (Roskilde/DK)
- 19.00–21.00 **State Reception at the Munich Residence**
Munich Residence
Dress Code: Business or Smart Casual

Tuesday • 05.07.2016

- 08.00–09.00 **Registration and Poster Mounting for Session 2**
Room Forum 4-7 & 8
- 09.00–10.45 **Session 3**
Materials
Room Forum 1-3
- Chairs Adrie Bos (Delft, NL); Sergey Nikiforov (Ekaterinburg, RU)
- 09.00 **Invited** OSL from BeO ceramics: Characteristics of the TR-OSL signal
Enver Bulur (Ankara/TR)
- 09.30 **MAT-O-01** Radiophotoluminescence of lithium fluoride crystals and possibility of its application
for detection of particle tracks
Pawel Bilski (Kraków/PL)
- 09.45 **MAT-O-02** Correlation between structural state characteristics and several luminescence
features of pure K-feldspars
Georgios S. Polymeris (Ankara/TR)
- 10.00 **MAT-O-03** Advancements on the Development of Glass Dosimeters
José Fernando Diniz Chubaci (São Paulo/BR)
- 10.15 **MAT-O-04** Tuning The Plasmon Resonance Band Of Silver Nanoparticle Films To Enhance
Optically Stimulated Luminescence Intensity
Eder Guidelli (Ribeirão Preto/BR)
- 10.30 **MAT-O-05** On the analysis of experimentally measured thermoluminescence glow curves
Adrie J.J. Bos (Delft/NL)
- 11.15–13.00 **Session 4**
Monitoring and Detection – 1
Room Forum 1-3
- Chairs Pawel Bilski (Krakow, PL); Elena Bakhanova (Moscow, RU)
- 11.15 **Invited** State-of-the-art and challenges in neutron dosimetry
Filip Vanhavere (Mol/BE)
- 11.45 **MDE-O-01** Cosmic radiation monitoring at LEO by means of passive detectors
Iva Ambrozova (Prague/CZ)
- 12.00 **MDE-O-02** Comparison of Novel Active Semiconductor Pixel Detector with Passive Radiation
Detectors during the NASA Orion Exploration Flight Test 1 (EFT-1)
Ramona Gaza (Houston/US)
- 12.15 **MDE-O-03** Eurados Intercomparison Of Passive H*(10) Area Dosimeters
Harald Dombrowski (Braunschweig/DE)
- 12.30 **MDE-O-04** Intercomparison of eye lens Dosimeters
R. Behrens (Braunschweig/DE)
- 12.45 **MDE-O-05** Beta radiation-implications for radiation protection within the nuclear industry
Lisa Bäckström (Gothenburg/SE)
- 14.15–16.00 **Postersession 2**

Room	Forum 4-7 & 8
16.00–17.45	Session 5 Monitoring and Detection – 2
Room	Forum 1-3
Chairs	Helen Khoury (Recife,BR); Dieter Regulla (München/DE)
16.00 Invited	BioQuaRT - a new take on biologically relevant dosimetry Hans Rabus (Braunschweig/DE)
16.30 MDE-O-06	A new beryllium oxide based thin layer detector for optically stimulated luminescence Marian Sommer (Dresden/DE)
16.45 MDE-O-07	A passive neutron and photon OSL dosimeter Maria Christiansson (Malmö/SE)
17.00 MDE-O-08	Dosimetric Properties of a Personal Dosimetry System based on Radio-Photoluminescence of Silver Doped Phosphate Glass Frank Assenmacher (Villigen PSI/CH)
17.15 MDE-O-09	Radiophotoluminescence from Al ₂ O ₃ :C,Mg films using a home-made 1D reader Luana de Freitas Nascimento (Mol/BE)
17.30 MDE-O-10	Computational analysis of thermoluminescence glow curves from thin layer dosimeters under exponential heating Robert Theinert (Dortmund/DE)
18.00–19.00 Room	ISSDO Meeting Forum 8

Wednesday • 06.07.2016

- 09.00–10.45 **Session 6**
Dating and Dose reconstruction – 1
- Room Forum 1
- Chairs Ian Bailiff (Durham/GB); Makaiko Chithambo (Grahamstown/ZA)
- 09.00 **Invited** New Dating Apps: Building on Insights into Luminescence Mechanisms
Mayank Jain (Roskilde/DK)
- 09.30 **DDR-O-01** Resolving luminescence in spectral, spatial and compositional domains: a new approach
Kristina Thomsen (Roskilde/DK)
- 09.45 **DDR-O-02** Further investigations into the use of differential bleaching rates to identify well-bleached quartz
Andrew Murray (Roskilde/NL)
- 10.00 **DDR-O-03** On the saturation of SAR quartz dose response curves: comparison across different origins, grain sizes and measurement protocols
Alida Timar-Gabor (Cluj Napoca, Romania/RO)
- 10.15 **DDR-O-04** Dose recovery and residual dose of quartz ESR using modern sediments: Implications for single aliquot ESR dating
Sumiko Tsukamoto (Hannover/DE)
- 10.30 **DDR-O-05** Dating Homo Sapiens in Southwestern Tanzania
Anne Skinner (Williamstown/US)
- 09.00–10.45 **Session 8**
Clinical Dosimetry – 1
- Room Forum 2-3
- Chairs Claus Andersen (Roskilde/DK); Eduardo Yukihara (Stillwater/USA)
- 09.00 **Invited** Solid-State dosimetry needs for medical physics with emphasis on ion beam therapy
Oliver Jäkel (Heidelberg/DE)
- 09.30 **CDO-O-01** New silicon microdosimetry probes for RBE and biological dose studies using stationary and movable targets in 12C ion therapy
Lachlan Chartier (Wollongong/AU)
- 09.45 **CDO-O-02** Out-of-field dose distributions in active scanning proton versus photon radiotherapy: An overview of research within EURADOS WG 9
Saveta Miljanic (Zagreb/HR)
- 10.00 **CDO-O-03** Specifically designed high quality diamond detector for dose measurement in pencil beam scanning proton therapy
Cyril Moignier (Gif-sur-Yvette/FR)
- 10.15 **CDO-O-04** Applicability of thermoluminescence detectors for verification of small field reference dosimetry in radiotherapy
Merce Ginjaume (Barcelona/ES)
- 10.30 **CDO-O-05** Fast C-12 ion and proton range verification in particle therapy: detector study and Monte Carlo simulations
Matthew Newall (Wollongong/AU)

- 11.15–13.00 **Session 9**
Clinical Dosimetry – 2
- Room Forum 2-3
- Chairs Saveta Miljanic (Zagreb/HR); Anatoly Rosenfeld (Sydney/AU)
- 11.15 **Invited** The remarkable properties of TLD-300 glow curve: Studies of the in-phantom evolution of radiological beams
María-Ester Brandan (Mexico, MX)
- 11.45 **CDO-O-06** Solid state tools to unify dose reports in diagnostic radiology
Hugo de las Heras Gala (Zorneding/DE)
- 12.00 **CDO-O-07** Out-of-field dosimetry and 2nd cancer risk of child patients under proton therapy using a TLD-based microdosimeter
Bhaskar Mukherjee (Sydney/AU)
- 12.15 **CDO-O-08** Time-resolved plastic scintillator dosimetry in a dynamic thorax phantom
Patrik Sibolt (Roskilde/DK)
- 12.30 **CDO-O-09** 3D Silicon strip detectors for dosimetry in Microbeam Radiation Therapy
Michael Lerch (Wolongong/AU)
- 12.45 **CDO-O-10** Determination of dose enhancement caused by gold-nanoparticles when irradiated with X-rays and protons using alanine/EPR dosimetry
Clare Smith (Bundoora/AU)
- 11.15–13.00 **Session 7**
Dating and Dose reconstruction – 2
- Room Forum 1
- Chairs Sara Della Monaca (Rome/IT); Albrecht Wieser (München/DE)
- 11.15 **Invited** Emergency dosimetry using nails and components of mobile phones: current progress
Sergey Sholom (Stillwater, OK/US)
- 11.45 **DDR-O-06** Electron Paramagnetic Resonance of Human Fingernails for Emergency Dosimetry
Stephen McKeever (Stillwater, OK/US)
- 12.00 **DDR-O-07** Effects of cosmetic treatments on the OSL and EPR signals of irradiated human nails
Paola Fattibene (Rome/IT)
- 12.15 **DDR-O-08** Human Dental Enamel as Dosimeter – Luminescence Properties and Instrumentation
Regina DeWitt (Greenville, NC; US)
- 12.30 **DDR-O-09** Violet Stimulated Luminescence Signal From Electronic Components For Radiation Accident Dosimetry
Céline Bassinet (Fontenay-Aux-Roses/FR)
- 12.45 **DDR-O-10** A EURADOS TL inter-comparison of display glass from mobile phones for retrospective dosimetry
Michael Discher (Salzburg/AT)
- 14.00–19.00 **Conference Tours**
Individual start at Holiday Inn

Thursday – 07.07.2016

- 08.00–09.00 **Registration and Poster Mounting for Session 3**
Room Forum 4-7 & 8
- 09.00–10.45 **Session 10**
Clinical Dosimetry – 3
Room Forum 1-3
- Chairs Gabriel Sawakuchi (Houston/US); Maria-Ester Brandan (México, D., México)
- 09.00 **CDO-O-11** Demonstration of 2D dosimetry using Al₂O₃ optically stimulated luminescence films for therapeutic megavoltage X-rays and ion beams
Eduardo Yukihara (Stillwater, OK/US)
- 09.15 **CDO-O-12** Absorbed dose contribution in TLD-100 due to neutron contamination in 18 MV photon dosimetry
Felix Horst (Giessen/DE)
- 09.30 **CDO-O-13** Yb-doped silica optical fibres as real-time dosimeter in radiotherapy
Ivan Veronese (Milan/IT)
- 09.45 **CDO-O-14** In vivo rectal wall dosimetry in gynecological and prostate HDR brachytherapy with MOSkin dosimeter
Mauro Carrara (Milan/IT)
- 10.00 **CDO-O-15** Quenching Effect Assessment for Thermal Modulation of 3-D PRESAGE Dosimeters for Proton Beams
Cheng-Shie Wu (New York, NY/US)
- 10.15 **CDO-O-16** Dosimetry for ion-beam therapy using fluorescent nuclear track detectors
Steffen Greilich (Heidelberg/DE)
- 10.30 **CDO-O-17** Measurement of Stochastic Energy Loss in Clinical Ion Beams
Jeannette Jansen (Heidelberg/DE)
- 11.15–13.00 **Young Scientist Award**
Science Slam
Room Forum 1-3
- 11.20 **BPP-O-09** Optically Stimulated Luminescence From CaF₂:Mn at High Temperatures
Diren Maraba (Ankara/TR)
- 11.25 **BPP-O-10** Probing metastable state of Sm²⁺ in YPO₄: Sm³⁺, Ce³⁺ through tunnelling recombination and direct excitation at cryogenic temperature
Amit K. Prasad (Roskilde/DK)
- 11.30 **BPP-P-22** Estimation of thermoluminescence kinetic parameters in h-BN by different techniques
Maxim Minin (Yekaterinburg/RU)
- 11.35 **IND-O-07** Using radiofluorogenic polymers to measure radiation in 3d; a proof of concept setup
Nicolai Sanders (Roskilde/DK)
- 11.40 **IND-O-02** Fluorescent nuclear track detectors to co-localize tracks and early radiation-induced DNA strand breaks in live cells
Conor McFadden (Houston, TX/US)

11.45 IND-P-38	will be not presented
11.45 IND-P-49	Type testing of LiF:Mg,Cu,P personal dosimeters for the assessment of Hp(10) and Hp(0.07) Joana Carina da Silva Pereira (Loures/PT)
11.50 MDE-O-10	Computational analysis of thermoluminescence glow curves from thin layer dosimeters under exponential heating Robert Theinert (Dortmund/DE)
12.55 MDE-P-18	GD-352M used as eye lens dosimeter for eyes protected by lead glasses Edilaine Honorio da Silva (Mol/BE)
13.00 MAT-P-20	Optical and thermal pre-readout treatments to reduce the influence of fading on LiMgPO ₄ OSL measurements Anna Malthez (Krakow/PL)
13.05 MAT-P-55	Radiophotoluminescence properties of Ag-doped mixed phosphate glasses Hironori Tanaka (Sendai/JP)
13.10 MAT-O-04	Tuning The Plasmon Resonance Band Of Silver Nanoparticle Films To Enhance Optically Stimulated Luminescence Intensity Eder Guidelli (Ribeirão Preto/BR)
13.15 DDR-P-12	The bleaching limits of feldspar IRSL and post-IR IRSL signals at various preheat temperatures and implications for dating Jingran Zhang (Hannover/DE)
13.20 DDR-P-16	Modification of Thermally assisted OSL SAR protocol by choosing the appropriate parameters for test dose and stimulation time Eren Şahiner (Ankara/TR)
12.25 DDR-P-31	Electron Paramagnetic Resonance (EPR) as Retrospective Biodosimetry Tool Using Human Teeth Lotem Buchbinder (Yavne/IL)
12.30 CDO-P-14	Secondary neutron spectrum in a passive scattering system in proton radiotherapy determined using activation foils technique Bao-Yuan Wang (Hsinchu/TW)
12.35 CDO-P-15	Feasibility tests of optically stimulated luminescence detectors for dosimetry in magnetic fields Claudia Katharina Spindeldreier (Heidelberg/DE)
12.40 CDO-O-17	Measurement of Stochastic Energy Loss in Clinical Ion Beams Jeannette Jansen (Heidelberg/DE)
12.45 CDO-O-01	New silicon microdosimetry probes for RBE and biological dose studies using stationary and movable targets in ¹² C ion therapy Lachlan Chartier (Wollongong/AU)
14.15–16.00 Room	Postersession 3 Forum 2-3, 4-5, 6-7

16.00–17.45	Session 11 Instrumentation and Detectors – 1
Room	Forum 1-3
Chairs	Francesco d'Errico (Pisa/IT); Hiroshi Yasuda (Tokyo/JP)
16.00 Invited	Nanodosimetric devices for track structure characterization and its link to radiobiological effects Valeria Conte (Legnaro/IT)
16.30 IND-O-01	Assessment of microscopic ion beam field variation using fluorescence nuclear track detectors Alexander Neuholz (Heidelberg/DE)
16.45 IND-O-02	Fluorescent nuclear track detectors to co-localize tracks and early radiation-induced DNA strand breaks in live cells Conor McFadden (Houston, TX/US)
17.00 IND-O-03	RBE study using Solid State Microdosimetry in Heavy Ion Therapy Linh Tran (Wollongong/AU)
17.15 IND-O-04	Characterization of fluorescent nuclear track detectors as criticality dosimeters J. Harrison (Stillwater, OK/US)
17.30 IND-O-05	Gated discrimination of the stem signal in pulsed radiation fields for a fiber optic dosimetry system based on the radioluminescence of beryllium oxide Tobias Teichmann (Dresden/DE)
19.00–00.00	Conference Dinner Paulaner am Nockherberg

Friday • 08.07.2016

- 09.00–10.45 **Session 12**
Instrumentation and Detectors – 2
- Room Forum 1-3
Chairs Isabel Clairand (Fontenay-aux-Roses/FR); Jose Maria Gomez-Ros (Madrid/Spain)
- 09.00 **Invited** X-ray dosimetry based on spectroscopy using pixelated Si sensors with custom ASICs
Winnie Wong (Geneva/CH)
- 09.30 **IND-O-06** Novel dosimetric gels for three-dimensional dose mapping in radiotherapy
Francesco d'Errico (Pisa/IT)
- 09.45 **IND-O-07** Using radiofluorogenic polymers to measure radiation in 3d; a proof of concept setup
Nicolai Sanders (Roskilde/DK)
- 10.00 **IND-O-08** Photon and Neutron Response Functions of A Thin Neutron Silicon Sensor For Real-Time Neutron Personal Dosimeters
Masashi Takada (Yokosuka/JP)
- 10.15 **IND-O-09** The directional neutron spectrometer CYSP: further developments for measuring low intensity fields
José M. Gómez-Ros (Madrid/ES)
- 10.30 **IND-O-10** Developing thermal neutron facilities with uniform, extended irradiation area
Roberto Bedogni (Frascati/IT)
- 11.15–12.30 **Session 13**
Instrumentation and Detectors – 3
- Room Forum 1-3
Chairs Jungil Lee (Seoul/KR); Stephen McKeever (Oklahoma/US)
- 11.15 **Invited** Highlights of Brazilian research activities in solid state dosimetry
Helen Khoury (Recife/BR)
- 11.45 **IND-O-11** Complementary approach for radiation dosimetry with Ag⁺-activated phosphate glasses
Satoshi Kodaira (Chiba/JP)
- 12.00 **IND-O-12** Isothermal flaring of deep trap thermoluminescence of anion-defective alumina crystals
Sergey Nikiforov (Ekaterinburg/RU)
- 12.15 **IND-O-13** Optically stimulated luminescent fabrics for in-vivo entrance dose measurements
Susana O. Souza (Aracaju/BR)
- 12.30–12.45 **Closing ceremony**
Room Forum 1-3
- 14.00–16.00 **ISSDO Meeting**

Monday • 04.07.2016

14.00–15.45 Postersession 1

Room

Forum 4-7 & 8

- MAT-P-01** EPR evaluation of yttrium oxide rods
Silas Santos (São Paulo/BR)
- MAT-P-02** Production of Synthetic Crystals of CaSiO₃, CdSiO₃ for Radiation Dosimetry
Carlos David Gonzales Lorenzo (São Paulo/BR)
- MAT-P-03** Development of phantom materials for diagnostic radiology using the least Squares method
Paulo Costa (Sao Paulo/BR)
- MAT-P-04** Thermoluminescent characteristics of K₂LiAlF₆ and Li₃Na₃Al₂F₁₂
Nobuteru Nariyama (Hyogo/JP)
- MAT-P-05** RPL in Sm-doped BaF₂-Al₂O₃-B₂O₃ glass ceramics
Go Okada (Ikoma, Nara/JP)
- MAT-P-06** Characterizations of LiCaAlF₆:Eu²⁺ Ceramics as Scintillator
Go Okada (Ikoma, Nara/JP)
- MAT-P-07** Thermal quenching of luminescence in nanostructured monoclinic zirconium dioxide
Sergey Nikiforov (Yekaterinburg/RU)
- MAT-P-08** Optically and thermally stimulated luminescence of Ce-doped and Eu-doped LiSrAlF₆ crystals
Takayuki Yanagida (Nara/JP)
- MAT-P-09** Evaluations of LiAlSi₂O₆ and LiAlSi₄O₁₀ crystal on scintillation and dosimeter properties
Takayuki Yanagida (Nara/JP)
- MAT-P-10** Monte Carlo Method Validation in the Analysis of Human Tissue Equivalent Materials
Victor Santoro (São Paulo/BR)
- MAT-P-11** Comparison of radiophotoluminescence properties of phosphate glasses with different alkali metal cations in the host
Hironori Tanaka (Sendai/JP)
- MAT-P-12** Energy response of the lutetium-containing oxides
Sergii Ubizskii (Lviv/UA)
- MAT-P-13** Thermoluminescence Properties Of Undoped And Doped (Ti, Cu, Ce) Lithium Aluminate
Anna Twardak (Kraków/PL)
- MAT-P-14** Optically Stimulated Luminescence Properties and Characteristic Analysis of Beryllium Oxide Nano-phosphors Synthesized Using Sol-Gel Method
Volkan Altunal (Adana/TR)
- MAT-P-15** EPR and TL study of LiF:Mg,Cu,P irradiated with high gamma doses
Pedro Guzzo (Recife/BR)
- MAT-P-16** X-ray induced luminescence of Sn²⁺-center in zinc phosphate glasses
Aya Torimoto (Uji/JP)

- MAT-P-17** Optical, Scintillation and Dosimeter Properties of Y³⁺-doped MgO Transparent Ceramic
Takumi Kato (Ikoma/JP)
- MAT-P-18** Development and Evaluation of Scintillation Properties of BaF₂ Transparent Ceramic
Takumi Kato (Ikoma/JP)
- MAT-P-19** Analysis of TL and OSL kinetics in lithium magnesium phosphate crystals
Wojciech Gieszczyk (Krakow/PL)
- MAT-P-20** Optical and thermal pre-readout treatments to reduce the influence of fading on LiMgPO₄ OSL measurements
Anna Malthez (Krakow/PL)
- MAT-P-21** Thermoluminescence Properties MgO Doped Natural Amethyst Quartz Samples
Veysi Guckan (Adana/TR)
- MAT-P-22** Thermoluminescence of Li₂B₄O₇:Cu and Li₂B₄O₇:Cu,B : a comparative study
Adnan Ozdemir (Adana/TR)
- MAT-P-23** Investigating EPR and TL properties LapisLazuli
Nilo Francisco Cano-Mamani (Santos/BR)
- MAT-P-24** Radioluminescence and thermoluminescence of rare earth doped and co-doped YF₃
Luiz G. Jacobsohn (Clemson/US)
- BPP-P-01** Experimental Investigation of the Effect of Bleaching at Selected Photon Energies on the OA and TL of LiF:Mg,Ti (TLD-100).
Sofia Druzhyna (Beersheva/IL)
- BPP-P-02** A closer look at the quasi equilibrium assumption in the theory of thermoluminescence
Amr Sadek (Giza/EG)
- BPP-P-03** Extended Track Interaction Model Simulations Of The Alpha Particle Fluence Response Of Tld-100
Daniel Sattinger (Moshav Ranen/IL)
- BPP-P-04** Optical absorption studies of gamma irradiated single crystal LiF(4N):Comparison with LiF:Mg,Ti (TLD-100)
Yigal Horowitz (Beersheva/IL)
- BPP-P-05** Use of density functional theory for electron localization in LiF:Mg,Ti
Guelda Massillon-JL (Mexico/MX)
- BPP-P-06** Emission properties of cerium-doped barium borate glasses for scintillator applications
Aya Torimoto (Uji/JP)
- BPP-P-05** Dependence of thermoluminescence characteristics on defect structure in sulphate and borate phosphors
Daling Luo (Guangzhou/CN)
- BPP-P-08** Photoluminescence dose dependences of F and F⁺-centers in TLD-500 detectors
Sergey Zvonarev (Ekaterinburg/RU)
- BPP-P-09** EPR in TLD-500 detectors with different TL curve shapes
Daria Ananchenko (Yekaterinburg/RU)

- BPP-P-10** Radioluminescence of synthetic quartz
Makaiko Chithambo (Grahamstown/ZA)
- BPP-P-11** Influence of temperature on the energy transfer processes in Gd₂SiO₅ (GSO):Ce
Masanori Koshimizu (Sendai/JP)
- BPP-P-12** TL, OSL and TA-OSL anomalous fading in Durango apatite for various grain size fractions ranging from micro to the nano scale
Maria Niora (Thessaloniki/GR)
- BPP-P-13** Effect of Temperature on Stimulation Background: A Misconception in TA-OSL
Anuj Soni (Mumbai/IN)
- BPP-P-14** Correlation between Isothermal TL and IRSL in K-feldspars of various Types.
Ioanna Sfampa (Thessaloniki/GR)
- BPP-P-15** Unified Deconvolution Algorithm of RL, OSL and TL Spectrum Based on the Trap Interacting Model
Ki Soo Chung (Jinju/KR)
- BPP-P-16** Structural, electronic, energetic and optical properties of Li₂B₄O₇ detector doped with substitutional Ag impurities: first-principles study
Cledson dos Santos (São Cristóvão/BR)
- BPP-P-17** Analysis of OSL decay characteristics for beta-irradiated potassium chloride (KCl) samples
Renata Majgier (Częstochowa/PL)
- BPP-P-18** Study of impurities in alpha-Al₂O₃ powders and crystals using EPR spectroscopy
Dagmara Kulig (Kraków/PL)
- BPP-P-19** Thermoluminescence study of lithium disilicate (Li₂Si₂O₅) synthesized by using natural amethyst samples
Necmettin NUR (Adiyaman/TR)
- BPP-P-20** Study of Defects in Natural Brazilian Crystals
Ana Blak (São Paulo/BR)
- BPP-P-21** Carbon doped yttrium aluminum garnet as a material for dosimetry application
Natali Shiran (Kharkov/UA)
- BPP-P-22** Estimation of thermoluminescence kinetic parameters in h-BN by different techniques
Maxim Minin (Yekaterinburg/RU)
- BPP-P-23** Kinetic analysis of the dosimetry glow peak of α-Al₂O₃:C - Evidence for continuous distribution of activation energy
Munish Kumar (Mumbai/IN)
- BPP-P-24** Band Structure characterization of defects in carbon doped Alumina
Hemant G. Salunke (Mumbai/IN)
- BPP-P-25** Spectrally resolved thermoluminescence of pure potassium chloride crystals
Ewa Mandowska (Częstochowa/PL)
- BPP-P-26** Identification Of Osl Sensitization Resulting From Pre-Exposure Dose And Thermal Activation In Both Unfired And Annealed Quartz Samples
Ebenezer O. Oniya (Akungba Akoko/NG)

- BPP-P-27** Study of optical absorbance and MR relaxation of irradiated Fricke Xylenol Orange Gel Dosimeters
Ivan Veronese (Milano/IT)
- BPP-P-28** Investigation of relaxation times of irradiated Fricke gels by means of nuclear magnetic resonance relaxometry
Maurizio Marrale (Palermo/IT)
- BPP-P-29** Continuous trap distribution in the Glow Curve of Zoisite irradiated with UV light
Henry Javier-Ccallata (Arequipa/PE)
- BPP-P-30** Effect of the target size in the calculus of the energy deposited using PENELOPE code
Benjamín Leal-Acevedo (México/MX)
- MAT-P-25** Synthesis And Luminescence Studies Of Mgo:Tb For Use In Radiation Dosimetry
Juan Mittani (Santos/BR)
- MAT-P-26** Thermoluminescence properties of Cr doped low melting point Al₂O₃
Kiyomitsu Shinsho (Tokyo/JP)
- MAT-P-27** Evaluation of scintillation from Pr-doped SrAl₂O₄ Crystals
Daisuke Nakauchi (Nara/JP)
- MAT-P-28** Ce-concentration dependence of scintillation properties of Ce-doped GdTaO₄ Crystals
Daisuke Nakauchi (Nara/JP)
- MAT-P-29** Scintillation properties of high-pressure-synthesized ZnO ceramics
Masanori Koshimizu (Sendai/JP)
- MAT-P-30** Dosimeter properties of Cu⁺ and Ce³⁺-doped Na₂O-Al₂O₃-B₂O₃ based glasses
Yutaka Fujimoto (Sendai/JP)
- MAT-P-31** OSL dosimetric properties and efficiency of Brazilian natural calcium fluoride pellets
Anna Malthez (Krakow/PL)
- MAT-P-32** Synthesis of MgB₄O₇ and activated by Strontium for Dosimetric Application
Tolga Depci (Malatya/TR)
- MAT-P-33** Effect of dopants' concentration on high-dose high-temperature thermoluminescence of LiF:Mg,Cu,P detectors
Barbara Obryk (Kraków/PL)
- MAT-P-34** Influence of dopants' concentration on TL of LiF:Mg,Cu,P detectors highly exposed to reactor neutron
Barbara Obryk (Kraków/PL)
- MAT-P-35** **will be not presented**
- MAT-P-36** TL and OSL Dosimetric Properties of Terbium Doped Lithium Aluminate
Sonia Hatsue Tatumi (Santos/BR)
- MAT-P-37** Time-resolved luminescence studies of Mn²⁺ ions in YAlO₃
Yaroslav Zhydachevskii (Lviv/UA)
- MAT-P-38** Dose dependence of different solid state detectors in a high energy proton beam

Željka Knežević (Zagreb/HR)

- MAT-P-39** TL and OSL emission spectra of chip inductors and resistors - Optimization of residual TL readout for dose re-estimation in retrospective accident dosimetry using OSL
Jang-Lyul Kim (Daejeon/KR)
- MAT-P-40** TL and EPR in natural kyanite crystal: Irradiation effects and application to high dose dosimetry
Nilo Francisco Cano-Mamani (Santos/BR)
- MAT-P-41** Thermoluminescence and Morphological Analyses of Nanostructured MgO:Pr Synthesized by Pechini route
Sonia Hatsue Tatumi (Santos/BR)
- MAT-P-42** Optical Absorption in LiF, LiF:Mg, LiF:MCP-N Irradiated with High Gamma and Beta Doses
Kahli Remy (Stillwater, OK/US)
- MAT-P-43** Electron Paramagnetic Resonance, Optical Absorption and Thermoluminescence in LiF, LiF:Mg, LiF:MCP Irradiated with High Gamma and Beta Doses
Kahli Remy (Stillwater, OK/US)
- MAT-P-44** Luminescence and scintillation properties of TICdCl₃ crystal
Yutaka Fujimoto (Sendai/JP)
- MAT-P-45** Comparative studies on luminescent properties of LiMgPO₄:Tb, B powders and crystals
Dagmara Kulig (Kraków/PL)
- MAT-P-46** High-temperature thermoluminescence of TLD-500 detectors and its connection with intrinsic and impurity defects
Rinat Abashev (Ekaterinburg/RU)
- MAT-P-47** Isomerization behavior of spiropyran-based compounds upon X-ray irradiation
Kohei Asai (Sendai/JP)
- MAT-P-48** Study of High OSL sensitivity of NaCl obtained from seawater for dosimetry application
Rene Rojas Rocca (Santos/BR)
- MAT-P-49** Synthesis And Thermoluminescence Features Of Mg₂B₄O₇: Tb
Juan Mittani (Santos/BR)
- MAT-P-50** 3D dosimetry material with absorbance and fluorescence responses to ionizing radiation
María del Rocío Bernal Zamorano (Roskilde/DK)
- MAT-P-51** Fundamentals and applications of luminescent dosimetry in the last 25 years at Laboratory of Radiation Dosimetry and Medical Physics of University of São Paulo
Elisabeth Yoshimura (São Paulo/BR)
- MAT-P-52** Photo-transfer thermoluminescence properties of Li₂B₄O₇ based dosimeters
András Kelemen (Budapest/HU)
- MAT-P-53** Microwave Assisted Synthesis of Sr-Doped Lithium Tetraborate and Lithium Triborate for Dosimetric Usage
Tolga Depci (Malatya/TR)

- MAT-P-54** Persistent luminescence in BaMoO₄:Tm compounds by means of TL and OSL measurements
Roseli Kunzel (Diadema/BR)
- MAT-P-55** Radiophotoluminescence properties of Ag-doped mixed phosphate glasses
Hironori Tanaka (Sendai/JP)
- MAT-P-56** Optically stimulated luminescence in nano CaF₂:Ce M⁺(M⁺=Li,Na,K,Cs,Rb)
Rajesh Patil (Nagpur/IN)
- MAT-P-57** Thermoluminescence Spectra of doped Calcium Fluoride Materials Prepared by Combustion Synthesis
Vinicius Barros (Recife/BR)
- MAT-P-58** Dosimetric Properties of MgB₄O₇:Dy,Li and MgB₄O₇:Ce,Li for Optically Stimulated Luminescence Applications
Luiza Souza (Aracaju/BR)
- MAT-P-59** Thermoluminescence response of β-irradiated AlN bulk single crystals
Dmitriy Spiridonov (Ekaterinburg/RU)
- MAT-P-60** Photoluminescence (PL) of Cu⁺ in LiF:Mg,Cu,P phosphor
Rajesh Patil (Nagpur/IN)
- MAT-P-61** Electron Spin Resonance (ESR) characterization of phenol compounds as new materials for dosimetry in radiotherapy
Salvatore Gallo (Palermo/IT)
- MAT-P-62** Characterization of the ESR response of alanine dosimeters to low-energy (1-40 keV) X-rays
Maurizio Marrale (Palermo/IT)
- MAT-P-63** Production of MgB₄O₇ and Li₂B₄O₇ for dosimetric applications by new methods
Hestia Raissa Batista Reis Lima (Aracaju/BR)
- MAT-P-64** Investigation of the correlation between TL, OSL and PL phenomena with Al₂O₃:C samples
Djamal Imatouken (Algiers/DZ)
- MAT-P-65** Luminescence and dosimeter properties of Mg and Ce co-doped Gd₃(Ga,Al)₅O₁₂ single crystals
Kei Kamada (Sendai/JP)
- MAT-P-66** Scintillation and Dosimetric Properties of La-admix Gadolinium Pyrosilicate Materials
Shunsuke Kurosawa (Sendai/JP)
- MAT-P-67** Luminescence properties of Ce-doped KYF₄ single crystal
Nahuel Facundo Martínez Clemente (Tandil/AR)
- MAT-P-68** Thermoluminescence Studies of Lu₂O₃:Tb Ceramics Co-doped with Nb(V) and Ta(V) Ions
Dagmara Kulesza (Wroclaw/PL)
- MAT-P-69** On the Thermoluminescence of the Lu₂O₃:Tb,M and Lu₂O₃:Pr,M (M=Hf, Ti, Nb) Ceramics
Eugeniusz Zych (Wroclaw/PL)
- MAT-P-70** LuPO₄:Eu Sintered Ceramics as Thermoluminescent Materials

Justyna Zeler (Wrocław/PL)

MAT-P-71

Thermoluminescent Properties of $\text{Lu}_2\text{O}_3:\text{Pr,Ta}$ and $\text{Lu}_2\text{O}_3:\text{Tb,Ta}$
Paulina Bolek (Wrocław/PL)

Tuesday • 05.07.2016

14.15–16.00 Postersession 2

Room Forum 4-7 & 8

- CDO-P-01** Implementation on methodology for postal dose quality audits in radiotherapy for Co-60 photon beams based in a powder TLD system
Stefan Gutierrez Lores (La Habana/CU)
- CDO-P-02** Influence of exposure parameters on geometric efficiency for MDCT
Mei Bai (Beijing/CN)
- CDO-P-03** Characterization of OSL dosimeters for use in organ doses assessment in computed tomography procedures
Louise Giansante (São Paulo/BR)
- CDO-P-04** Correlation between dosimetric quantities in digital mammography: a Monte Carlo study
Alessandra Tomal (Campinas/BR)
- CDO-P-05** The use of CdTe detector for measurements of mammographic X-ray spectra transmitted by different tissue-equivalent phantoms
Josilene Santos (São Paulo/BR)
- CDO-P-06** Applicability of two-dimensional thermoluminescence slab dosimeter based on Al₂O₃:Cr to quality assurance for robotic radiosurgery
Shin Yanagisawa (Arakawa/JP)
- CDO-P-07** Basic characteristics of alumina-based ceramics TLD to charged particle beams
Yusuke Koba (Chiba/JP)
- CDO-P-08** Low dose ionizing radiation detection using green quartz mineral: Application in monitoring processes in nuclear medicine
Shiguo Watanabe (Sao Paulo/BR)
- CDO-P-09** Evaluation of radiation dose during cardiac catheterization using optically simulated luminescent dosimeters
Chien Yi Ting (Taipei/TW)
- CDO-P-10** Assessment of patient doses in diagnostic radiography using TLD - MTS-N
Larysa Stadnyk (Kharkiv/UA)
- CDO-P-11** Application of Optically Stimulated Luminescence 'dot' dosimeters for dose verification of VMAT treatment planning using an antropomorphic stereotactic End-to-End verification phantom
Letícia Lucente Campos (São Paulo/BR)
- CDO-P-12** The feasibility of using bismuth shielding in whole spine examination
Yu-Ying Lin (TaoYuan/TW)
- CDO-P-13** Secondary neutron dose equivalent in proton radiotherapy: Comparison between dual TLD method, WENDI-II, and Monte Carlo simulation
Yan-Shi Chen (Taoyuan/TW)
- CDO-P-14** Secondary neutron spectrum in a passive scattering system in proton radiotherapy determined using activation foils technique
Bao-Yuan Wang (Hsinchu/TW)

- CDO-P-15** Feasibility tests of optically stimulated luminescence detectors for dosimetry in magnetic fields
Claudia Katharina Spindeldreier (Heidelberg/DE)
- CDO-P-16** Use of TLD and OSLD dosimetry system for remote audits of external beams used in radiation therapy
Paola Alvarez (Houston, TX/US)
- CDO-P-17** Tandem study with three thermoluminescent materials tandem systems.
Vinod Nelson (Campbelltown/AU)
- CDO-P-18** Dosimetry Quality Assurance in Real Time Adaptive Radiotherapy
Anatoly Rosenfeld (Wollongong/AU)
- CDO-P-19** Applications of MOSkin dosimeters for Quality Assurance in HDR Brachytherapy and a simplified method of MOSkin calibration
Anna Romanyukha (Wollongong/AU)
- CDO-P-20** Dose measurements and Monte Carlo simulations for 3, 4, 6, 14 mm cones for stereotactic radiosurgery
Yi-Chun Tsai (Gweishan/TW)
- CDO-P-21** Dose-to-water and dose-to-medium conversion in photon dose calculation
Yi-Chun Tsai (Gweishan/TW)
- CDO-P-22** Estimation of effective doses in computed tomography by the method of thermoluminescent dosimetry
Olga Nosyk (Kharkov/UA)
- CDO-P-23** Neutron Dosimetry for an 18MeV Medical LINAC using Silicon P-I-N Diodes
Vanja Gracanin (Wollongong NSW/AU)
- CDO-P-24** An assessment of control parameters of a mammography equipment using a phosphor plate
Arnaldo Prata Mourao (Belo Horizonte/BR)
- CDO-P-25** Dose Profile Variations In Ct Scans Using Two Different Chest Phantoms
Arnaldo Prata Mourao (Belo Horizonte/BR)
- CDO-P-26** Paediatric Organ Doses from CT-based simulation in Brain Tumor Treatments - Phantom study
Marija Majer (Zagreb/HR)
- CDO-P-27** The Cuban Dosimetry network for quality audits in radiotherapy
Stefan Gutierrez Lores (La Habana/CU)
- CDO-P-28** Dose and dose rate dependence of OSL NanoDot dosimeters in a pulsed electron beam at high dose rate
Andreas Pitzschke (Lausanne/CH)
- CDO-P-29** Evaluation of Al₂O₃:C OSL dosimeters for use in dose distribution verification of VMAT planning simulation
Leticia Lucente Campos (Sao Paulo/BR)
- CDO-P-30** Organ-based tube-current modulation and bismuth shield for pediatric protections during CT examinations
Nan Ku Lai (Taichung/TW)

- CDO-P-31** Experimental Validation Of Acuros Xb In The Presence Of Tissue Heterogeneities
Maria A. Duch (Barcelona/ES)
- CDO-P-32** A dual TLD100/TLD300 method to evaluate beam quality and absorbed dose in radiological imaging procedures
María-Ester Brandan (Mexico/MX)
- CDO-P-33** Dosimetric evaluation of respiratory-gated volumetric modulated arc therapy (VMAT) using gafchromic EBT3 film
Hsien-Hsin Chen (Taoyuan City/TW)
- CDO-P-34** Assessment of Entrance Surface Skin Dose (ESD) and Mean Glandular dose (MGD) in a Digital Mammographic Unit Comparing the TL and OSL Techniques
Félicia Rocha (São Paulo/BR)
- CDO-P-35** Radiation dose estimation to patients undergoing a thoracic CT scan using organ-based tube current modulation
Hui-Yu Tsai (Taoyuan/TW)
- CDO-P-36** Real Time Dose Reconstruction in MV Photon Therapy using a 2D solid state detector array.
Michael Lerch (Wolongong/AU)
- CDO-P-37** "Edge-on" MOSFET detector for stereotactic beams measurement and verification
Wei Loong Jong (Kuala Lumpur/MY)
- CDO-P-38** Use of solid-state detectors for traceable dosimetry in small MV photon beams
Grichar Valdes Santurio (Roskilde/DK)
- CDO-P-39** Chang Gung University/Chang Gung Memorial Hospital Modeling of proton line scanning nozzle using PTSim Monte Carlo method
Ying-Lan Liao (Taoyuan/TW)
- CDO-P-40** Rapid Proton Beamline Daily Check using 2D Detector Array
Hsien-Hsin Chen (Taoyuan City/TW)
- CDO-P-41** The use of the MOSkin detector in real-time patient dose monitoring during fluoroscopy-guided interventional procedures
Mohamad Javad Safari (Kuala Lumpur/MY)
- CDO-P-42** Effect of CT scanning mechanism on patient dose estimation of adult CT examinations using radiochromic film
Ying-Lan Liao (Taoyuan city/TW)
- CDO-P-43** Dose distributions and percentage depth dose determination for a total skin electron therapy
Evangalina Figueroa-Medina (México/MX)
- CDO-P-44** Verification Of Doses For Total Skin Electron Irradiation Using Thermoluminescent Dosimeters And Diodes
Letícia Campos (São Paulo/BR)
- CDO-P-45** Evaluation of TL and OSL response of CaF₂:Tm for radiotherapy electron dosimetry
Helen Khoury (Recife/BR)
- CDO-P-46** Lung dose estimates for computed tomography procedures
Paulo Roberto Costa (São Paulo/BR)

- CDO-P-47** Dose verification with EPR/alanine dosimeters in Helical Tomotherapy Stereotactic Radiosurgery (HT SRS) treatments
Salvatore Gallo (Palermo/IT)
- CDO-P-48** Radiation dose estimation using CR-39 solid-state nuclear track detector (SSNTD) in proton beam radiotherapy
Bo-Han Huang (Taoyuan/TW)
- CDO-P-49** Scintillation and Dosimetric Properties of Cr-Doped Oxide Crystal in the Infra-Red Region
Shunsuke Kurosawa (Sendai/JP)
- CDO-P-50** Characterisation of OSLD in Kilovoltage Photon Beam for Clinical Dosimetry Application
Ying Ying Cheah (Kuala Lumpur/MY)
- CDO-P-51** Using Fluorescent Nuclear Track Detectors for a More Accurate Cellular Dosimetry of Ion Beam Radiotherapy
Shirin Rahmanian (Heidelberg/DE)
- CDO-P-52** Transfer of a technique for TL mammography dosimetry between two laboratories in Latin America
Beatriz Sanchez-Nieto (Santiago/CL)
- MDE-P-01** Measurement of potential alpha energy exposure (PAEE) and potential alpha energy concentration (PAEC) and estimating radiation dose of radon in SARI province in the north region of Iran
seyed ali rahimi (Sari/IR)
- MDE-P-02** **will be not presented**
- MDE-P-03** Performance evolution of TLD-700H/600H dosimetry system at extended issue periods
Alexander Romanyukha (Bethesda, MD/US)
- MDE-P-04** Thermoluminescent characteristics of LiF:Mg,Cu,P TL powders in thin boron nitride cases
Nobuteru Nariyama (Hyogo/JP)
- MDE-P-05** Influence of the phantom shape (slab, cylinder or Alderson) on the performance of an Hp(3) eye dosimeter
R. Behrens (Braunschweig/DE)
- MDE-P-06** Improvement in dose linearity with proposed new etch cycle for the Public Health England neutron and radon personal dosimetry services
Sean Baker (Oxford Shire/GB)
- MDE-P-07** Cosmic Radiation Measurements in the Russian Segment of the International Space Station by Applying Passive Dosimeters
Andrea Stradi (Budapest/HU)
- MDE-P-08** Study of influence of fading effect and dose rate irradiation on the accuracy of low dose estimation in personal dose monitoring for TLD LiF:Mg,Ti
Larysa Stadnyk (Kharkiv/UA)
- MDE-P-09** Thermal analysis of water calorimeter for radiation dosimetry standard
M.Y. Kang (Seoul/KR)

- MDE-P-10** Lithium Borate Glass for High-Dose Dosimetry using the UV-Vis and FTIR Spectrophotometrics Techniques
Lucas Nonato de Oliveira (Goiânia/BR)
- MDE-P-11** Effects of a change of etch cycle on the response characteristics of the neutron personal dosimetry service of Public Health England
Luke Hager (Didcot/GB)
- MDE-P-12** Use of RAMARn detectors in the Czech Radon Program
Josef Holecek (Milin/CZ)
- MDE-P-13** Quality Management System Accreditation Of Personal Dosimetry Service Of The Cphr
Daniel Molina (La Habana/CU)
- MDE-P-14** Hp(3) response of the PHE PADC neutron personal dosimeter
Rick Tanner
- MDE-P-15** Results Of Personal Dosimetry Service Of Cphr From 2012 To 2014
Daniel Molina (La Habana/CU)
- MDE-P-16** Aviation dosimetry using a TLD microdosimeter - Intercomparison with computer simulation models
Bhaskar Mukherjee (Sydney/AU)
- MDE-P-17** Development of the finger ring dosimeter for Hp(0.07) using BeO OSL
Satoshi Ueno (Ibaraki/JP)
- MDE-P-18** GD-352M used as eye lens dosimeter for eyes protected by lead glasses
Edilaine Honorio da Silva (Mol/BE)
- MDE-P-19** Characterization Of A Thermoluminescent Dosimeter Based On Li₂b₄o₇:Cu For Personal Neutron Dosimetry
Rafael Rodríguez-Jiménez (Madrid/ES)
- MDE-P-20** Response of EPDs to the radiation field generated from laser-solid interaction at High Repetition Rate.
Jose-Manuel Alvarez (Villamayor, Salamanca/ES)
- MDE-P-21** Quality management concerning the production and calibration of BeOSL dosimeters
Axel Jahn (Dresden/DE)
- MDE-P-22** α-Al₂O₃:C based Single Element Dosimeter Badge for Eye Lens Monitoring
M.S. Kulkarni (Mumbai/IN)
- MDE-P-23** Testing of a new filter for the PHE headband eye lens dosimeter to improve angular response to beta radiations
Nicky Gibbens (Didcot/GB)
- MDE-P-24** Evaluation of the environmental dose data obtained at the radiation monitoring stations around Paks NPP between 2009 and 2014
Peter Szanto (Budapest/HU)
- MDE-P-25** Testing of the D-Shuttle personal dosimeter
Zina Cemusova (Prague/CZ)
- MDE-P-26** Status Of Passive Environmental Dosimetry In Europe
Maria A. Duch (Barcelona/ES)

- MDE-P-27** Comparison of the thermoluminescent response of LiF:Mg,Ti, CaSO₄:Dy and CaSO₄:Dy,C pellets in ¹³⁷Cs and ⁹⁰Sr+⁸⁹Y fields: a preliminary study for beta individual monitoring
Patrícia Nicolucci (Ribeirão Preto/BR)
- MDE-P-28** Characterization of Hp(10) and Hp(0.07) angular response for the Mirion Genesis holder
Michelle Baca (Irvine, CA/US)
- MDE-P-29** **will be not presented**
- MDE-P-30** Correction of quenching effect of a small size OSL dosimeter using Eu:BaFBr and Ce:CaF₂
Yuho Hirata (Nagoya/JP)
- MDE-P-31** Cyclotron Production of F18 in TLD-500: New Usage Potentials
Igor Milman (Ekaterinburg/RU)
- MDE-P-32** Comparison Of The Response Of Two Systems For Personal Neutron Dosimetry
Rafael Rodríguez-Jiménez (Madrid/ES)
- MDE-P-33** Performances of personal neutron dosemeter using CR-39 for tests based on ISO 21909-1
Wakako Shinozaki (Ibaraki/JP)
- MDE-P-34** A one-shot imaging system for neutron track counting
Paolo Ferrari (Bologna/IT)
- MDE-P-35** The Pille-ISS thermoluminescent dosimetry system: Post-flight corrections on raw measurement data
P. Szántó (Budapest/HU)
- MDE-P-36** Overview over the conversion coefficients between operational quantities and air kerma for the ICRU-sphere, the ICRU slab and the cylinder phantom – Comparison of values from literature and new calculations performed with the Monte Carlo code AMOS
Axel Jahn (Dresden/DE)
- MDE-P-37** Neutron dosimetry at the interim spent fuel storage facility of the Trillo Nuclear Power Plant
Roberto Méndez Villafaña (Madrid/ES)
- MDE-P-38** Development of CaSO₄: Dy based Three Element Ring Dosemeter for Extremity Monitoring of Radiation Workers in India
Kshama Srivastava (Mumbai/IN)
- MDE-P-39** DosiMon - A New Modular, Scalable System for Online-Radiation-Monitoring at the European XFEL at DESY, Hamburg
Frank Schmidt-Foehre (Hamburg/DE)
- MDE-P-40** Work-place field with a high-energy neutron component at PSI – first measurements
Eduardo Yukihiro (Villigen/CH)
- MDE-P-41** Rapid-fading thermoluminescent materials for monitoring and verification applications in nuclear safeguards and arms control
Vinicius S. M. Barros (Recife/BR)

- MDE-P-42** Automated glow curve deconvolution for the routine readout of LiF:Mg,Ti thermoluminescent detectors
Hannes Stadtmann (Seibersdorf/AT)
- MDE-P-43** Improvement of the TLD dose calculation by application of an individual residual dose correction
Georg Wilding (Seibersdorf/AT)
- MDE-P-44** EPR dosimetric properties of a medical grade polyethylene
Khaled Farah (Sidi-Thabet/TN)
- MDE-P-45** FTIR characterization of a medical grade polyethylene for high level dosimetry
Khaled Farah (Sidi-Thabet/TN)
- MDE-P-46** Performance testing of new IPLUS OSL personal dosimeters for Photon Radiations
Djamal Imatouken (Algiers/DZ)
- MDE-P-47** The OSL personal dosimetry system BeOSL: Reader calibration, quality management and uncertainty
Marian Sommer (Dresden/DE)
- MDE-P-48** Mailed dosimetric audit of therapeutic proton beams using thermoluminescence MTS-N (LiF:Mg,Ti) powder
Jenny Kunst (Kraków/PL)
- MDE-P-49** Measurements of “emergency” doses up to 10 Sv in individual dosimetry
Renata Kopeć (Kraków/PL)
- MDE-P-50** Use of TLD-700H for environmental measurements
Cinzia De Angelis (Rome/IT)
- MDE-P-51** Response of Filtered EXTRAD Dosimeters for Measuring Eye-Lens Dose
Jovica Atanackovic (Whitby/CA)
- MDE-P-52** The correction factors estimated for small field’s dosimetry by using 6 and 18MV energies of a linear accelerator
Seyed Ali Rahimi (Sari/IR)
- MDE-P-53** EURADOS Intercomparisons for Individual Monitoring Services: Results of the 2015 Extremity Dosimeter Intercomparison for Photon and Beta radiations
Hannes Stadtmann (Seibersdorf/AT)
- MDE-P-54** Electronic Neutron Dosimeter in High-Energy Neutron Fields
Thomas Brall (Neuherberg/DE)

Thursday • 07.07.2016

14.15–16.00 Postersession 3

Room Forum 2-3, 4-5, 6-7

- IND-P-01** Angular dependence of fluorescence nuclear track detectors on Am-Be neutron
Tohru Okazaki (Tsukuba/JP)
- IND-P-02** Temporal discrimination of stem effect using YVO₄:Eu³⁺ scintillator in fiber optic dosimetry
Nahuel Facundo Martínez Clemente (Tandil/AR)
- IND-P-03** EPR dosimetric potential of Ammonium Oxalate monohydrate in radiation technology
Mohamed Rushdi (Khartoum/SD)
- IND-P-04** A miniaturized alpha spectrometer for the calibration of an avalanche-confinement TEPC
Pola Andrea (Milano/IT)
- IND-P-05** Visualization of radiation dose distribution utilizing RPL in glass dosimeter
Hidehito Nanto (Hakusan/JP)
- IND-P-06** Formation of different types of paramagnetic centers in alanine dosimeters under the action of alpha gamma and neutron radiation - study by EPR spectroscopy
Kassym Zhumadilov (Obninsk/RU)
- IND-P-07** On the relative response of alanine dosimeters in clinical photon beams
Philip von Voigts-Rhetz (Giessen/DE)
- IND-P-08** Type Test a New Personnel Dosimeter System to IEC 62387
Ling Luo (Oakwood Village/US)
- IND-P-09** Automatic Deconvolution Of Thermoluminescence Glow Curves
Jose Francisco Benavente Cuevas (Madrid/ES)
- IND-P-10** Gilda: A New Glow Curve Analysis System For Routine Thermoluminescence Dosimetry Services
Jose Francisco Benavente Cuevas (Madrid/ES)
- IND-P-11** Development of LaBr₃:Ce and CeBr₃ gamma ray spectrometers for space applications
Dipak Kumar Panda (Ahmedabad/IN)
- IND-P-12** Response of personal dosimeter —D-Shuttle dosimeter— in the ROT geometry
Makoto Sugiyama (Ibaraki/JP)
- IND-P-13** Uncertainty evaluation of fluorescent nuclear track detectors (FNTDs) for neutron dose measurements
Takuya Hashizume (Tsukuba-shi, Ibaraki-ken/JP)
- IND-P-14** thermoluminescence responses of photonic crystal silica-fibres subjected to photon radiation
Amirhassan Entezam (Kuala Lumpur/MY)
- IND-P-15** The TL-DOS dosimetry system: Technical and dosimetric properties and its application to a large scale monitoring service
Joerg Walbersloh (Dortmund/DE)

- IND-P-16** Design considerations and prototype results of a finger ring dosimeter for the thin layer thermoluminescence dosimeter system TL-DOS to measure the partial body dose Hp (0.07)
Myriam Heiny (Dortmund/DE)
- IND-P-17** Design and characterization of a badge for the thin layer thermoluminescence dosimeter system TL-DOS to measure the whole body dose Hp(10)
Marion Piepenbrock (Dortmund/DE)
- IND-P-18** Glow-curve based characterisation of the heating properties of thin layer thermoluminescence dosimeters under exponential heating
André Lütfring (Dortmund/DE)
- IND-P-19** Design and Construction of an Automated OSL Reader with Open Source Software and Hardware
Diren Maraba (Ankara/TR)
- IND-P-20** Fricke gel dosimeters with low-diffusion and high-sensitivity based on a chemically cross-linked PVA matrix
Andrea Marini (Pisa/IT)
- IND-P-21** DUO: a monolithic silicon detector array for small field dosimetry in Stereotactic Radiotherapy
Marco Petasecca (Wollongong/AU)
- IND-P-22** Saturation Of Spark Counter Due To High Track Densities On Strippable Lr-115 li Nuclear Track Detectors
Denis Stanić (Osijek/HR)
- IND-P-23** An attachable alpha spectrometer for research, low-level surface contamination, and fast retrospective dosimetry
Henning von Philipsborn (Regensburg/DE)
- IND-P-24** Characterization of three solid state dosimetry systems for use in high energy photon dosimetry audits in radiotherapy
Paulina Wesolowska (Vienna/AT)
- IND-P-25** Development of Multisample TL-OSL Reader System
Lovely Paliwal (Mumbai/IN)
- IND-P-26** Separation of effects influencing detector response in small MV photon fields
Sonja Wegener (Wuerzburg/DE)
- IND-P-27** Nano-structured detectors for nanodosimetry: Monte Carlo studies
Anna Selva (Legnaro/IT)
- IND-P-28** Optically stimulated luminescence (OSL) postal dose audits at radiation protection level for Secondary Standard Dosimetry Laboratories (SSDLs)
Paulina Wesolowska (Vienna/AT)
- IND-P-29** Multimode TL/OSL module for commercial luminescence spectrometer
Alexander Vokhmintsev (Yekaterinburg/RU)
- IND-P-30** Angular Dependence Of Dose Recorded In Radiochromic Film Strip
Arnaldo Prata Mourao (Belo Horizonte/BR)
- IND-P-31** Toward a new generation of Electronic Personal Dosimeters for high intensity laser facilities.
Jose-Manuel Alvarez (Villamayor, Salamanca/ES)

- IND-P-32** Passive system for characterization of spectral composition of high dose rate workplace fields: potential application of high Z OSL phosphors
Vadim Chumak (Kyiv/UA)
- IND-P-33** Development of a compact size graphite calorimetry system for the clinical LINAC
Byoung-Chul Kim (Daejeon/KR)
- IND-P-34** High precision dosimetric measurements with Electron Spin resonance and luminescence
Kay Dornich (Freiberg/DE)
- IND-P-35** **will be not presented**
- IND-P-36** Characterization of a LaBr₃(Ce) detector for gamma-ray spectrometry at CANDU power reactors
Richard Garnett (Hamilton/CA)
- IND-P-37** Monte Carlo simulation of a plastic scintillator response to beta-ray
Richard Garnett (Hamilton/CA)
- IND-P-39** Phototransfer of charges from deep traps of Al₂O₃:C radiation detectors
Linda Caldas (Sao Paulo/BR)
- IND-P-40** The SP2 neutron spectrometer: embedding a Bonner Sphere Spectrometer in a single moderator
Andrea Pola (Milano/IT)
- IND-P-41** Study of Al₂O₃ with carbon nanostructures and rare earth oxides for OSL dosimetry in Radiotherapy
Patrícia Nicolucci (Ribeirão Preto/BR)
- IND-P-42** GaN-based dosimetry for low-energy protontherapy
Pierrick Guiral (Villeurbanne/FR)
- IND-P-43** Fading in CaSO₄:Dy detectors after exposure to charged particles
Katerina Pachnerova Brabcova (Praha/CZ)
- IND-P-44** Gynecological applicator instrumented with GaN-dosimetric probes for HDR brachytherapy
Pierrick Guiral (Villeurbanne/FR)
- IND-P-45** A Gage Repeatability and Reproducibility Study of the Harshaw 8800 TLD Reader using a LiF:Mg,Cu,P Whole Body Dosimeter
Mark Ramlo (Oakwood Village/US)
- IND-P-46** Estimation of the absorbed dose in the female phantom lens according to the protocol used in cone beam CT
Linda V. E. Caldas (São Paulo/BR)
- IND-P-47** Low intensity spatially-resolved luminescence: automated image analysis of arbitrary objects
Myung Ho Kook (Roskilde/DK)
- IND-P-38** **will be not presented**
- IND-P-48** Relative Uncertainty Assessment Of H*(10) Measurements With Passive Detectors In Environmental Monitoring
Miguel Pereira (Loures/PT)

- IND-P-49** Type testing of LiF:Mg,Cu,P personal dosimeters for the assessment of Hp(10) and Hp(0.07)
Joana Carina da Silva Pereira (Loures/PT)
- IND-P-50** TL, OSL and TSEE of Obsidian Silicate samples, exposed to a ⁶⁰Co source
Patrícia Antonio (São Paulo/BR)
- IND-P-51** Applying the TSEE technique to Spectrolite and Opal pellets irradiated with high doses of gamma radiation
Patrícia Antonio (São Paulo/BR)
- IND-P-52** Developments of Integrated System for Radioluminescence and Optically or Thermally Stimulated Luminescence Measurements
Chang Young Park (Jinju/KR)
- IND-P-53** Simulation of a Germanium Gamma Ray Spectrometer for determination of absolute efficiency and comparisons with experimental measurements
Shiv Kumar Goyal (Ahmedabad/IN)
- IND-P-54** **will be not presented**
- IND-P-55** Optimization of the sensitization of CR-39 etched track neutron dosimeters with carbon dioxide
Francesco d'Errico (Pisa/IT)
- IND-P-56** X band resonator for non destructive EPR measurements
Paola Fattibene (Rome/IT)
- IND-P-57** Production and dosimetric properties of silver doped borate glasses
Susana Souza (São Cristóvão/BR)
- IND-P-58** Development of a Semiconductor-Based Radon Exposure Meter
Josef Irlinger (Neuherberg/DE)
- DDR-P-29** Investigation of Common Israeli Table Salts as Potential Retrospective Dosimeters: Theoretical Interpretation of the linear/supralinear dose response.
Sofia Druzhyna (Beersheva/IL)
- DDR-P-30** Grain size effect on EPR signals in tooth enamel
Alexander Romanyukha (Bethesda, MD/US)
- DDR-P-32** PTTL dosimetry using gorilla glass from mobile phones
Stephen McKeever (Stillwater, OK/US)
- DDR-P-33** EPR dosimetric properties of gamma-irradiated mobile phone components
Byeong Ryong Park (Seoul/KR)
- DDR-P-34** Retrospective dosimetry with glass-based dental ceramics
Daniela Ekendahl (Praha/CZ)
- DDR-P-35** Optically stimulated luminescence of carbon film resistor for retrospective dosimetry
Sanjeev Menon (Mumbai/IN)
- DDR-P-36** Use of deciduous teeth for ESR tooth enamel dosimetry
Mika Murahashi (Okayama/JP)
- DDR-P-37** TL, PTTL, and PTOSL at elevating temperature during optical stimulation of inductors and resistors for estimation and re-estimation of doses of radiological accidents
Jungil Lee (Daejeon/KR)

- DDR-P-31** Electron Paramagnetic Resonance (EPR) as Retrospective Biodosimetry Tool Using Human Teeth
Lotem Buchbinder (Yavne/IL)
- DDR-P-38** A comparative TL and OSL study on dosimetric properties of various commercial glass samples
Niyazi Meriç (Ankara/TR)
- DDR-P-39** Luminescence Characteristics Of Some Common Polymers For Application To Emergency Dosimetry
Lily Bossin (Durham/GB)
- DDR-P-40** Tooth enamel EPR dosimetry study for residents of East Kazakhstan
Kassym Zhumadilov (Astana/KZ)
- DDR-P-41** Composition of the EPR spectrum of gamma and light exposed Gorilla Glass
Albrecht Wieser (Neuherberg/DE)
- DDR-P-42** TL investigations on tobacco dust as an emergency dosimeter
Janet Ayobami Ademola (Ibadan/NG)
- DDR-P-43** Comparison of doses reconstructed with different components of mobile phones
Sergey Sholom (Stillwater, OK/US)
- DDR-P-44** Laser dental treatments as a potential source of confounding EPR signals in tooth enamel
Sara Della Monaca (Rome/IT)
- DDR-P-45** Detection of irradiation with silicates from vegetable matrices
Emanuela Bortolin (Rome/IT)
- DDR-P-46** Absorbed dose measurements using ordinary salt and resistors from mobile phones – Novel conversion coefficients to effective dose for various exposure geometries
Therése Geber-Bergstrand (Malmö/SE)
- DDR-P-47** LuCIDD: An Imaging Instrument with CCD-based and confocal units for Luminescence Dating and Dosimetry
Regina DeWitt (Greenville, NC/US)
- DDR-P-01** Preliminary study on dating Dama Branca (White Lady) dunes barriers in Cabo Frio, Rio de Janeiro, Brazil.
Shiguo Watanabe (São Paulo/BR)
- DDR-P-02** **will be not presented**
- DDR-P-03** On the equivalence of natural and laboratory growth curves in luminescence dating - the effect of luminescence centre
Natalia Kijek (Torun/PL)
- DDR-P-04** Double electron capturing by Ti and Ge impurity centers in quartz
Dmitry Koshchug (Moscow/RU)
- DDR-P-05** OSL properties of halite from Kłodawa salt mine
Magdalena Biernacka (Częstochowa/PL)
- DDR-P-06** When is an age not an age?: the story of PT74 from Dakleh Oasis, Egypt
Anne Skinner (Williamstown, MA/US)

- DDR-P-07** In situ dosimetry for trapped charge dating methods using BeO OSL dosimeters
Franz Hartung (Köln/DE)
- DDR-P-08** Dating shells and sediments from a Shellmound in Laguna Santa Catarina State,
Brazil
Shiguo Watanabe (São Paulo/BR)
- DDR-P-09** Cw-Osl And Plm-Osl Properties Of Natural Quartz Crystals
Diego Tudela (São Paulo/BR)
- DDR-P-10** Violet stimulated luminescence dating of Chinese loess up to ~600 ka
Christina Ankjærgaard (Wageningen/NL)
- DDR-P-11** Visualization of radioactive hotspots in natural sediments using the Timepix detector
Anna Romanyukha (Wollongong/AU)
- DDR-P-12** The bleaching limits of feldspar IRSL and post-IR IRSL signals at various preheat
temperatures and implications for dating
Jingran Zhang (Hannover/DE)
- DDR-P-13** On the application of visible-NIR reflectance spectroscopy for distinguishing feldspar
and quartz OSL signals
Debabrata Banerjee (Ahmedabad/IN)
- DDR-P-14** ESR Dating of Mollusc Shells from Adakale Location in Konya Closed Basin/TURKEY
Ulku SAYIN (Konya/TR)
- DDR-P-15** Characterization of Paramagnetic Centers in Different Species of Molluscs
Shells from Konya Closed Basin/TURKEY
Gamze Bakkal (Konya/TR)
- DDR-P-16** Modification of Thermally assisted OSL SAR protocol by choosing the appropriate
parameters for test dose and stimulation time
Eren Şahiner (Ankara/TR)
- DDR-P-17** The effect of backscattered electrons on luminescence response of individual quartz
grains
Martin Autzen (Denmark/DK)
- DDR-P-18** Optimization of ambient lighting in trapped charge research
Reza Sohbaty (Roskilde/DK)
- DDR-P-19** The influence of storage and irradiation temperature on the optically stimulated
luminescence dose response curves of fine and coarse quartz extracted from loess
Oana Antohi-Trandafir (Cluj-Napoca, Romania/RO)
- DDR-P-20** Doubling Your Pleasure: ESR isochron dating as an addition to standard methods
Bonnie Blackwell (Williamstown, MA/US)
- DDR-P-21** Electron Spin Resonance Dating Of Shells From Rio Grande Do Sul, Brazil
Oswaldo Baffa (Ribeirão Preto/BR)
- DDR-P-22** Multi-spectroscopic characterisation of sea salt, gypsum and chewing-gum for
retrospective dosimetry
Amit K. Prasad (Roskilde/DK)
- DDR-P-23** UV-green thermoluminescence emission of an irradiated albite
Virgilio Correcher (Madrid/ES)

- DDR-P-24** The purity of quartz and feldspar separates investigated using the Risø XRF attachment: correlation with natural dose
Jan-Pieter Buylaert (Roskilde/DK)
- DDR-P-25** Foundation of Baekje dynasty based on the OSL and ¹⁴C dates obtained from the earthen fortification at Pungnap-dong in Seoul, Korea
Myung-Jin Kim (Daejeon/KR)
- DDR-P-26** Optically stimulated luminescence dating techniques and multi-proxy analysis to quantify the timing of the Pleistocene/Holocene transition, as recorded by loess-palaeosol sequences – a case study
Stefana Madalina Groza (Cluj-Napoca/RO)
- DDR-P-27** Moving from EM-CCD images to spatially resolved Equivalent Dose using a Bayesian hierarchical model
Alastair Cunningham (Wollongong/AU)
- DDR-P-28** Translation of the absorbed dose in the mobile phone to organ doses of an ICRP voxel phantom using MCNPX simulation of an Ir-192 point source
Michael Discher (Neuherberg/DE)