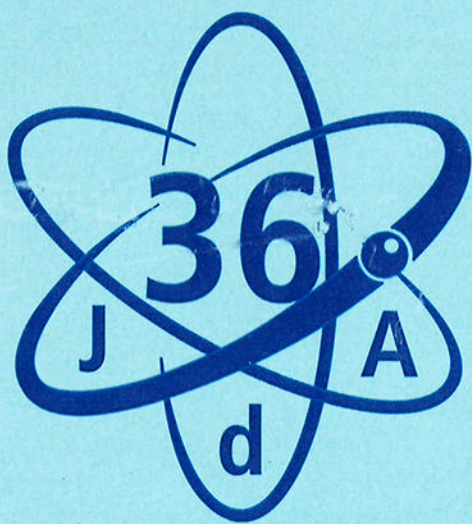


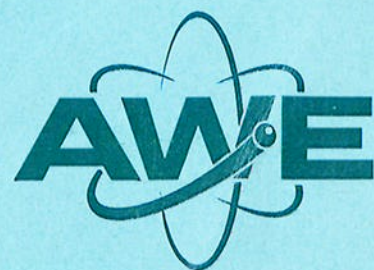
PROCEEDINGS



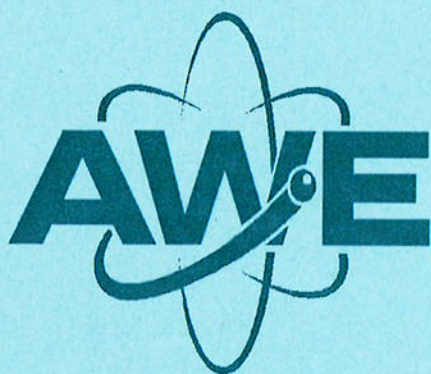
Journées des Actinides



St. Catherine's College, Oxford
1-4 April 2006



The 36^{èmes} Journées des Actinides is sponsored by



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**Proceedings
36^{èmes} Journées des Actinides**

Contents

General Information

Programme

(including the 6th School on the Physics and Chemistry of the Actinides)

Abstracts

Oral presentations
Poster presentations

Participants

**(including 6th SPCA Participants and Lecturers
plus Accompanying Persons)**

Accompanying Persons Programme

Organising Committee

David Geeson (Chairman)
Marina Pooley (Conference Secretary)
Scott Bazley
Lucinda Blain
Phil Kaye
Steven Kitching
Wayne Lake
Chris Poulter
David Thomas
Suzanne Morgan (Accompanying Persons Programme)

General Information

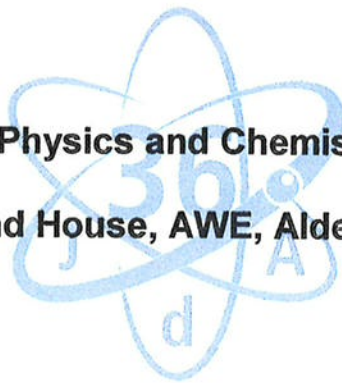
Oral Communications: The preferred format for presentations is MS PowerPoint for PC. To transfer your presentation file to the conference laptop please contact the Conference Chairman, Dr. David Geeson; the Conference Secretary, Dr. Marina Pooley; or the Conference desk at least one day in advance of your presentation.

Posters: The Poster session will be held on Sunday evening, April 2nd, commencing at 17h30 in the College bar and bar annexe situated adjacent to the Junior Common Room. Posters (max. 120cm wide x 167cm high) should be mounted with the Velcro™ provided, ahead of the Poster session. The posters can be displayed from Saturday evening onwards but must be removed after the session ends at approx. 22h00 on the Sunday evening.

General Housekeeping: The conference package covers full board (breakfast, lunch and dinner) and lodging in St. Catherine's College, Oxford starting with a Welcome Buffet on Saturday evening, April 1st and ending with Farewell Refreshments on Tuesday afternoon, April 4th. It also includes the Conference Fee, Proceedings (hard copy and CD), the Conference Banquet and refreshments during the breaks. Beverages, additional to those offered during meals, are not included. Additional accommodation, meals and use of telephone are at the expense of each delegate and should be arranged through the College. Photocopying facilities can be arranged through the Conference desk. Free Internet access is available in the Junior Common Room, however for Internet access in delegates' rooms an Ethernet cable will have to be paid for available from the Conference desk.

6th School on the Physics and Chemistry of the Actinides

Portland House, AWE, Aldermaston



Programme

Thursday, March 30th

- 12h00** Coach to pick up from **Reading**
- 12h30** Check-in at hotel (**Courtyard by Marriott**)
- 13h15** Coach departs for **Portland House**
- 13h20** Arrive Portland House, register
- 13h30 - 14h30** Lunch
- 14h30 - 14h40** **WELCOME ADDRESS**
Dr. Graeme Nicholson,
Head of Materials Science Research Division, AWE
- 14h40 - 14h45** **Domestic notices:** David Geeson, School Chair
- 14h45 - 15h30** **The 5f Elements: An Introduction**
Dr. Paul Roussel
- 15h30 - 16h15** **f-element Organometallic Chemistry**
Dr. Polly Arnold
- 16h15 - 16h45** **Refreshment break**
- 16h45 - 17h30** **The Use of Density Functional Theory in the Modelling of Molecular Actinide Chemistry**
Dr. Nik Kaltsoyannis
- 17h30 - 18h15** **Photoemission Studies of the Physics and Chemistry of Actinides – Thin Film Studies**
Dr. Thomas Gouder
- 18h15** Coach departs for hotel

Friday, March 31st

- 09h00** Coach departs for **Portland House**
- 09h05** Arrive Portland House, register
- 09h40 - 10h15** **"Keeping the Peace"** AWE presentation

Programme

10h15 - 11h15	History of AWE Kate Pine
11h15 - 11h45	Refreshment break
11h45 - 12h30	Plutonium Ageing: Experiments and Modelling Dr. Nathalie Baclet
12h30 - 13h15	Actinides: Metallurgy and Manufacturing Dr. Andy Perry
13h15 - 14h15	Lunch
14h15 - 15h00	Neutron and X-ray Scattering from Actinide Compounds Prof. Keith McEwen
15h00 - 15h45	Basic Actinide Physics and Plutonium Superconductors Dr. Franck Wastin
15h45 - 16h15	Refreshment break
16h15 - 17h00	Actinides and the Environment Prof. Francis Livens
17h00 - 17h45	Actinide Speciation for Nuclear Disposal Safety Using X-ray Absorption Spectroscopy Dr. Melissa Denecke
17h45 - 18h00	Wash-up session
18h00	Coach departs for hotel

Saturday, April 1st

08h45	Coach departs for Portland House
08h55	Arrive Portland House, register
09h00 - 09h30	Refreshments
09h30 - 10h15	The Chemical Analysis of Actinide Materials Terry Piper

Programme

- | | |
|----------------------|--|
| 10h15 - 11h00 | Actinides and Nuclear Forensics
Dr. Maria Wallenius |
| 11h00 - 11h30 | Refreshment break |
| 11h30 - 12h15 | Gamma Spectroscopy on Filters from High Volume Air Samplers
Paul Thompson |
| 12h15 - 13h00 | Application of Alpha Emitters in Targeted Alpha Therapy
Dr. Alfred Morgenstern |
| 13h00 - 14h15 | Close and lunch |
| 14h15 | Coach departs for Oxford |

36^{èmes} Journées des Actinides
St. Catherine's College, Oxford, UK



Programme

Saturday, April 1st

15h00 - 20h00 REGISTRATION

18h30 - 20h00 Welcome buffet

Sunday, April 2nd

08h40 - 08h55 WELCOME ADDRESS

Dr. Brian Bowsler,

Director of Research and Applied Science, AWE

08h55 - 09h00 Domestic notices: D. Geeson, Conference Chair

09h00 - 10h40 SESSION A 115 Compounds (4)

Chairperson: K. McEwen

09h00 High Pressure Effect on AnCoGa_5 (An = Np, Pu, Am) A-01
J.-C. Griveau, J. Rebizant, F. Wastin, E. Colineau,
F. Jutier and G. H. Lander

09h25 Mössbauer Spectroscopy of NpTGa_5 (T=Co, Rh, Ni) A-02
Compounds
E. Colineau, J. -P. Sanchez, F. Wastin and J. Rebizant

09h50 Resonant X-ray Scattering in NpRhGa_5 A-03
B. Janoušová, S. B. Wilkins, R. Caciuffo, J. Paixao,
F. Honda, N. Metoki, J. Rebizant, E. Colineau and G. H. Lander

10h15 Probing the Coulomb Interaction of the Unconventional A-04
Superconductor PuCoGa_5 by Phonon Spectroscopy
S. Raymond, P. Piekarz, J. P. Sanchez, J. Serrano,
M. Kirsch, B. Janousova, J. Rebizant, N. Metoki, K. Kaneko,
P. T. Jochym, A. M. Olès and K. Parlinski

10h40 - 11h10 Refreshment break

11h10 - 12h40 SESSION B Uranium Solid State Chemistry (4)
Chairperson: P. Rogl

11h10 Structure and Bonding in $\text{K}_{0.91}\text{U}_{1.79}\text{S}_6$ and KU_2Se_6 B-05
H. Mizoguchi, D. Gray, F. Q. Huang and J. A. Ibers

Programme

- | | | |
|---------------|---|------|
| 11h35 | <p>Consequences of External Irradiation on the Chemical Durability of Solid Solutions of Thorium Uranium Phosphate Diphosphate (β-TUPD)
 C. Tamain, N. Dacheux, F. Garrido and L. Thomé</p> | B-06 |
| 12h00 | <p>Structural Chemistry of Alkaline Uranyl Vanadate Families: From Bidimensional Layers to Three Dimensional Networks
 S. Obbade and F. Abraham</p> | B-07 |
| 12h20 | <p>Chemical, Structural and Electrical Investigation of Some new Cesium Uranyl Molybdate and Tungstate Compounds
 S. Yagoubi, S. Obbade, C. Dion, M. Saadi and F. Abraham</p> | B-08 |
| 12h45 - 14h00 | Lunch | |
| 14h00 - 15h40 | <p>SESSION C Uranium Intermetallics (4)
 Chairperson: R. Caciuffo</p> | |
| 14h00 | <p>Quadrupolar Order in (U,Np)Pd₃
 H. C. Walker, K. A. McEwen, D. F. McMorrow, E. Colineau, F. Wastin, L. Paolasini and S. B. Wilkins</p> | C-09 |
| 14h25 | <p>Pressure Effects and Magnetic Structure in U₄PdGa₁₂
 R. Jardin, J. C. Griveau, K. Prokeš, S. Heathman, E. Colineau, A. Kolomiets, P. Normile, F. Wastin and J. Rebizant</p> | C-10 |
| 14h50 | <p>Long Period, Longitudinal SDW/CDW State in UCu₂Si₂
 F. Honda, N. Metoki, H. Ohsumi, S. Tsutsui, K. Ishii, T. D. Matsuda, Y. Haga and Y. Onuki</p> | C-11 |
| 15h15 | <p>Spin Gap Investigated Through Inelastic Neutron Scattering in U₂RuGa₈
 R. Troć, D. T. Adroja and R. I. Bewley</p> | C-12 |
| 15h40 - 16h10 | Refreshment break | |
| 16h10 - 17h25 | <p>SESSION D Actinide Coordination Chemistry (3)
 Chairperson: J. Aupiais</p> | |
| 16h10 | <p>Probing the Actinyl Bond through Coordination to Tri-Lacunary Polyoxotungstate Anions
 D. Collison, R. Copping, I. May, C. J. Jones and C. E. Talbot-Eckelaers</p> | D-13 |

Programme

- 16h35 **Influence of Colloids Produced by the Weathering of Rock Material on Uranium (VI) Behaviour** D-14
H. Zänker and S. Weiß
- 17h00 **Synthesis of Solid Alkaline Lanthanide Carbonates** D-15
V. Philippini, P. Vitorge, T. Vercouter and A. Chaussé
- 17h30 **POSTER SESSION and WINE RECEPTION**
Sponsored by: JEOL (UK) Ltd
- 19h30 - 21h00 **Dinner**
- POSTER SESSION (continued)**

Monday, April 3rd

- 08h45 - 10h25 **SESSION E Solid State Plutonium Chemistry (4)**
Chairperson: T. Gouder
- 08h45 **Photoemission of Surface Oxides and Hydrides of delta Plutonium** E-16
M. T. Butterfield, T. Durakiewicz, E. Guziewicz, J. J. Joyce
A. J. Arko, K. S. Graham, D. P. Moore and L. A. Morales
- 09h10 **Analysis of the Spectroscopic Signature of Ageing in δ -Pu(Ga)** E-17
B. W. Chung, A. J. Schwartz, B. B. Ebbinghaus, M. J. Fluss
J. J. Haslam, K. J. M. Blobaum and J. G. Tobin
- 09h35 **A Photoemission Study of the Oxidation of the Light Actinides** E-18
P. Nevitt, P. Roussel, T. Gouder, F. Huber and A. F. Carley
- 10h00 **Density Changes in Plutonium from Accelerated Ageing Using Pu-238 Enrichment** E-19
B. W. Chung, S. R. Thompson, C. H. Woods, D. J. Hopkins,
and B. B. Ebbinghaus
- 10h25 - 10h55 **Refreshment break**

Programme

- 10h55 - 12h35** **SESSION F Probing Actinide Materials (4)**
Chairperson: N. Baclet
- 10h55** ~~**Physical Properties of Disordered Pu and Pu Alloys**~~ **F-20**
~~M. Fluss, S. McCall, G. Chapline, B. Chung, M. McElfresh
and D. Jackson~~
- 11h20** **Electronic Structure of fcc Pu-Am Alloys:
Specific Heat Study** **F-21**
L. Havela, P. Javorsky, F. Wastin, E. Colineau, A. B. Shick
and V. Drchal
- 11h45** **Electronic Transport Properties of Medium Heavy
Fermion Compound U₂Rh₂In** **F-22**
V. H. Tran and E. Bauer
- 12h10** **Critical Behaviour of Specific Heat and Isothermal
Magnetocaloric Coefficient in Ferromagnetic UCuP₂** **F-23**
T. Plackowski and D. Kaczorowski
- 12h45 - 14h00** **Lunch**
- 14h00 - 15h40** **SESSION G Uranium Ternary Compounds
and Multilayers (4)**
Chairperson: D. Kaczorowski
- 14h00** **Ternary Systems U-T-Si: Phase Equilibria, Compound
Formation, Physical Properties; T = Al, Sc to Re** **G-24**
P. Rogl and H. Noël
- 14h25** **The U-Fe-B System** **G-25**
A. P. Gonçalves, M. Dias, P. A. Carvalho, A. P. Dias,
O. Sologub, O. Tougait and H. Noël
- 14h50** **Electronic Band Structure of Ternaries UTGe
(T=Pd, Pt) in the Paramagnetic State** **G-26**
M. Samsel-Czekała and R. Troć
- 15h15** **Uranium Multilayers** **G-27**
R. Springell, S. W. Zochowski, S. Langridge, M. F. Thomas,
F. Wilhelm, A. Rogalev, S. D. Brown, W. G. Stirling, G. H. Lander,
R. C. C. Ward and M. R. Wells
- 15h40 - 16h10** **Refreshment break**

Programme

CEA

- 16h10 - 17h30** **SESSION H Actinides and the Environment (4)**
Chairperson: M. Pooley
- 16h10** **Capillary Electrophoresis – Inductively Coupled Plasma Mass Spectrometry for Elemental Speciation of Trace Actinides** **H-28**
C. Ambard, N. Baglan, F. Pointurier and J. Aupiais
- 16h30** **Preparation, Sintering and Leaching Tests of β -TUPD / Monazite Based Composites** **H-29**
N. Clavier, N. Dacheux, R. Podor and J. Aupiais
- 16h50** **Mechanisms of Dissolution of Monazite / Brabantite Solid Solutions and Britholites Ceramics** **H-30**
E. du Fou de Kerdaniel, N. Dacheux and R. Podor
- 17h10** **Study of the Interactions Between Radionuclides and Cysteine-rich Biologands by Spectrometric Techniques** **H-31**
V. Lourenco, E. Ansoborlo, G. Cote and C. Moulin
- 17h45 – 18h30** **“Round Table” Discussions**
Chairperson: F. Wastin
 37ièmes Journées des Actinides: Location
 Pool Facilities: Actinet, ITU
- 19h30 – 20h00** **Wine reception**
 Sponsored by AWE
- 20h00 – 21h30** **Conference banquet**

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Tuesday, April 4th

- 09h00 – 10h30** **SESSION I Theory and Modelling (4)**
Chairperson: P. Morrall
- 09h00** **Molecular Modelling Studies of Actinide Compounds** **I-32**
D. W. Price
- 09h25** **Probing the Uranyl Bond. Density Functional Theory Studies of UO_2^{2+} with O- and N-donor Equatorial Ligands** **I-33**
J. Häller, K. Ingram and N. Kaltsoyannis

10^{h00} checkout

*JDA 2008: Wroclaw
 + school Paris
 Sofotel ****
 double ~ 150 €
 reduced for conf.*

*JDA 2007: Sesimbra, Hotel do Mar
 Antonio
 24 - 27 Mars
 (45 km and Lisbonne)
 village de cheum / touristique
 single ~ 570 €
 double ~ 495 €*

JDA 2009: France

*Prague Collog.
 8-11 sept. 2006*

Programme

- 09h50 **Molecular Approach of Uranyl Ion Sorption Mechanisms on Titanium Oxide** I-34
J. Vandenberg, R. Drot, E. Simoni, W. Dong, M. Dossot, B. Humbert and J. -J. Ehrhardt
- 10h10 **Density Functional Study of the Uranyl Ion Interaction with the Rutile TiO₂ (110) Face** I-35
H. Perron, C. Domain, J. Roques, R. Drot, E. Simoni and H. Catalette
- 10h30 – 11h10 **Refreshment break**
- 11h10 – 12h30 **SESSION J Uranium Corrosion and Intermetallics (4)**
Chairperson: D. Geeson
- 11h10 **ToF-SIMS Study of Polycrystalline Uranium after Exposure to Deuterium** J-36
P. Morrall, D. W. Price, A. J. Nelson, W. J. Siekhaus, E. Nelson, K. J. Wu, M. Stratman and W. McLean II
- 11h30 **Uranium Hydride Initiation under Ramped Hydrogen Pressure Conditions** J-37
J. Petherbridge, S. Bazley and J. Glascott
- 11h50 **Magneto-optical Anisotropy of UPtGe Single Crystals** J-38
M. Marutzky, J. Schoenes and R. Troć
- 12h10 **A Comparative ab initio Study Between UMn₂ and UFe₂** J-39
X. -Q. Chen, R. Podloucky, P. Rogl and W. Wolf
- 12h45 – 14h00 **Lunch**
- 14h00 – 14h40 **SESSION K Bonding (2)**
Chairperson: L. Havela
- 14h00 **Chemical Bond Nature in Uranium Tetrafluoride UF₄** K-40
Y. A. Teterin, A. Y. Teterin, M. V. Ryzhkov, K. I. Maslakov, L. Vukcevic, and A. D. Panov
- 14h20 **Localised versus Itinerant: Towards the Limits** K-41
P. Wachter

36^{èmes} Journées des Actinides
Itinerary

14h40 – 15h30 CLOSING SESSION
Chairperson: D. Geeson

14h40 Summary Physics
G. Lander

15h00 Summary Chemistry
I. May
(see end)

15h20 Concluding remarks
D. Geeson

15h30 Farewell refreshments

→ - major work remains local. or other nature of SF dec.
- Diff. techs give diff. answers
- prepare and photo emission spectroscopy techs. ARPES, RIXS are not used very much in SF

- 115 compounds
Pu₆Gas remains most startling result of the last decade
new info: - Am₆Gas Ga or Am?
- phonons U₆Gas / Pu₆Gas
- RXS Ga hybridization
- M³⁺ M₂b. + lattice parameter close U, Np, Pu 115
→ 3+ for all

- intermetallics
(U, Np)Pt₃ U⁴⁺ + M³⁺ → unusual effects
U₂Ge₂Si₂ AF? long periodicity?
U₂Ru₆Ge₈ intermediate valence
U₂Ge₂ theory → form factor & too low (factor 70) maybe hybrid with Ge p-orbitals
UPdGe, U₃X₄ theory → form factor & too low (factor 70)
UX₂ theory moment and μ_L/μ_S wrong
UPdGe, UPtGe theory T_d bands well below EF
U multilayers
- Pu Pu-Am allow CP
- new theory: DMFT needed
- what was missing?
- not much on pure oxides
- nothing on NaCl materials
- UPd₂Al₃ and UPT₃
HF-SC

Programme

Posters

- The Isothermal Section at 900°C of the U-Fe-Si System** P-01
D. Berthebaud, O. Tougait, M. Potel, A. Gonçalves, E. Lopes and H. Noël
- δ -Pu_{0.92}Am_{0.08} alloy: High Pressure X-ray Diffraction and Electrical Resistivity Study** P-02
V. Klošek, P. Faure, C. Genestier, J. C. Griveau, N. Baclet and F. Wastin
- Thermoelectric Properties of the Pseudobinary System UGa_{3-x}Ge_x** P-03
K. Gofryk and D. Kaczorowski
- High Pressure Studies on Uranium mono- and disilicide** P-04
P. Boulet, R. Caciuffo, S. Heathman, P. Heines, M. Idiri, P. Normile, J. Rebizant and T. LeBihan
- Thermal Cycling and its Effect on α Ingrowth into δ Stabilised Plutonium** P-05
A. Perry and B. Storey
- Highly Viscous Appearance of Plutonium Metal** P-06
R. Watson
- Magnetostriction of UPd₃ up to 33T** P-07
M. Duc Le, K.A. McEwen, M. Rotter, A. Barcza, M. Doerr, J. Brooks, E. Jobilong and D. Fort
- Magnetic and Transport Properties of Pseudo Ternary System URh_{1-x}Ru_xGe in Proximity of Quantum Critical Point** P-08
V. Tran and W. Müller
- UGe₂: Electronic Structure, Magnetic Anisotropy and Superconductivity** P-09
A. Shick and L. Havela
- A Huge Magnetoresistivity in UPdGe at the Ferro-antiferromagnetic Transition.** P-10
R. Troć and V. Tran
- Giant Anisotropy of Thermoelectric Power in U₃X₄-type Cubic Uranium Pnictides** P-11
P. Wiśniewski
- Electronic Structure and Fermi Surfaces of the Uranium Dipnictides** P-12
S. Lebègue, P. Oppeneer and O. Eriksson

Programme

-01	Atomistic Modelling of Point Defects Formation and Migration in Uranium Dioxide J. Durinck and M. Freyss	P-13
-02	A Computational Investigation of the <i>cis</i> and <i>trans</i> Isomers of $\text{UO}_2\text{Cl}_2(\text{XPR}_3)_2$ (X = NH, O; R = H, Me, Cy (cyclohexane)) J. Haller and N. Kaltsoyannis	P-14
-03	Modelling Radiation Damage in Actinide Oxides: A Strategy D. Price, M. Storr and C. Nelson	P-15
-04	Ab initio study for Point Defects and Xe Diffusion in ThO_2 and UO_2 Y. Yun, H Kim, and K. Park	P-16
-05	A Systematic Study into the Influence of Hydrogen Pressure and Reaction Temperature on Uranium Hydride Initiation S. Bazley, J. Petherbridge and J. Glascott	P-17
-06	Measurement of the Optical Properties of Uranium and UO_2 using Spectroscopic Ellipsometry P. Morrall, A. Nelson, W. Siekhaus, J. Muyco and J. Gray	P-18
-07	Extraction of EXEFS Data Using an EPMA L. Blain, P. Roussel and M. Pooley	P-19
-08	Using Nano-focussed Bremstrahlung Isochromat Spectroscopy (nBIS) to Determine the Unoccupied Electronic Structure of Pu M. Butterfield, J. Tobin, N. Teslich Jr, R. Bliss, M. Wall, A. McMahan, B. Chung and A. Schwartz	P-20
-09	Raman Spectra of Some Hydrated and Dehydrated Inorganic Actinide Compounds C. Puxley	P-21
-10	X-ray Photoelectron Spectroscopy Study of Plutonium-containing Murataite-based Ceramics K. Maslakov, A. Teterin, Yu. Teterin, L. Vukcevic, S. Yudintsev, S. Stefanovsky, K. Ivanov, A. Ptashkin and A. Mohov	P-22
-11	UD_3 Formation on Depleted Uranium: Evidence for Grain Boundary Precipitation T. Scott, G. Allen, I. Findlay and J. Glascott	P-23
-12		

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G. Andreev, N. Budantseva, A. Fedoseev and M. Antipin
- Actinides Analysis Using MALDI ToF MS** P-25
C. Black, C. Poile, J. Langley and J. Herniman
- Aging of Uranium Compounds for Nuclear Forensic** P-26
N. Clavier, J. Aupiais and S. Baude
- Leaching of Actinides from Perovskite-Based Ceramics** P-27
A. Merkushkin, A. Ochkin, S. Rovniy and S. Stefanovsky
- Selective Coordination Chemistry of One Uranyl Oxo Group** P-28
D. Patel, A. Blake, J. Love and P. Arnold
- Radioactive Mining Waters Decontamination Procedures Used In Romanian Uranium Industry** P-29
I-C. Popescu
- Heteropolyanion Assisted Uranyl Luminescence** P-30
C. Talbot-Eeckalaers, S. Pope and I. May
- Isolation and Isotopic Analysis of Actinide Bearing Particles** P-31
T. Nicholls, P. Thompson and M. Thomas
- Measurement of Environmental Levels of Plutonium in Soil** P-32
P. Thompson, M. Thomas and N. Thomas
- Self-Diffusion Coefficients and Structure of the Trivalent f-Element Ions Eu, Gd and Am, Bk, Cf and Es in Aqueous Solution** P-33
H. Latrous
- Pu, Np and U Valence States and Type of Molecules Determination by Chemiluminescence Effects and Pulse Laser Spectroscopy Methods.** P-34
I. Izosimov, N. Gorshkov, L. Mashirov and N. Firsin
- Synthesis, Crystal Structure Determination, Infrared and Electrical Characterisation of the New Cesium Uranyl Niobate $Cs_9U_8Nb_5O_{41}$** P-35
S. Saad, S. Obbade, S. Yagoubi and F. Abraham
- Peculiarities of Th-Doped Murataite-Based Ceramics Produced by Various Methods** P-36
S. Stefanovsky, A. Ptashkin, S. Yudintsev, B. Nikonov and A. Ochkin

Programme

**Crystal Chemistry of Cesium-Uranium-Inorganic Oxoanion
Compounds** P-37

C. Renard, S. Obbade, F. Abraham

Uranium Speciation in Borosilicate Waste Glass P-38

S. Stefanovsky, K. Maslakov, A. Teterin, Y. Teterin and J. Marra

36^{èmes} Journées des Actinides Itinerary

Saturday 1 st April		Sunday 2 nd April		Monday 3 rd April		Tuesday 4 th April	
		08:40	Welcome Address Dr. Brian Bowsher, AWE				
		09:00	Session A: 115 Compounds	08:45	Session E: Solid State Plutonium Chemistry	09:00	Session J: Theory and Modelling
		10:40	Refreshments	10:25	Refreshments	10:30	Refreshments
		11:10	Session B: Uranium Solid State Chemistry	10:55	Session F: Probing Actinide Materials	11:10	Session J: Uranium Corrosion and Intermetallics
		12:45	Lunch	12:45	Lunch	12:45	Lunch
		14:00	Session C: Uranium Intermetallics	14:00	Session G: Uranium Ternary Compounds	14:00	Session K: Bonding
		15:40	Refreshments	15:40	Refreshments	14:40	Closing Session
15:00	Registration (until 20:00)						
18:30	Wine reception and Welcome Buffet	16:10	Session D: Actinide Coordination Chemistry	16:10	Session H: Actinides and the Environment	15:30	Farewell Refreshments
		17:30	Poster Session	17:45	Round Table Discussions		
		19:30	Dinner	19:30	Wine reception		
			Poster Session (cont.)	20:00	Conference Banquet		

Accompanying Persons

Accompanying Persons Programme

Saturday, April 1st

15h00 - 20h00 REGISTRATION

18h30 - 20h00 Welcome buffet

Sunday, April 2nd

08h00 - 09h00 Breakfast

09h30 – 09h45 Meet at College Reception

09h45 Leave St. Catherine's

10h40 Arrive at **Blenheim Palace** (Coffee & Cookies on arrival)

11h00 – 13h00 Tour of Palace

13h00 – 14h00 Lunch at the Terrace Restaurant

12h45
14h00 – 16h30 Tour of the Park & Gardens

16h30 Leave Blenheim Palace

17h30 Arrive back at St Catherine's

19h30 – 21h00 Dinner

19h00

Monday, April 3rd

08h00 - 09h00 Breakfast

09h15 – 09h30 Meet at College Reception

09h30 Leave St Catherine's

10h40 Arrive at **Avebury Stone Circles** (Coffee & Pastries on arrival)

11h00 – 12h30 View Avebury Stone's

12h30 – 13h30 Lunch at the **Red Lion Public House**

13h30 Leave Red Lion

14h00 Arrive at **Marlborough**

Accompanying Persons

- 14h00 – 16h30** Explore this historic town and visit local shops
- 16h30** Leave Marlborough
- 17h30** Arrive back at St Catherine's
- 19h30 – 20h00** **Wine Reception**
Sponsored by **AWE**
- 20h00 – 21h30** **Conference banquet**

7h45 breakfast

Tuesday, April 4th

- 08h00 – 09h00** **Breakfast**
- 09h00** Free morning to explore **Oxford**
- 15h20** **Farewell refreshments**

Hope you enjoyed your time with us and wishing you all a safe journey home

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