

V21G. Ultrahigh-Pressure Metamorphism: New Paradigms I

8:00 AM - 10:00 AM; Room 2020

- | | 8:00 AM - 8:05 AM | Introduction |
|--------------------|---|--------------|
| 8:05 AM - 8:25 AM | V21G-01. Very nearly UHP metamorphism-lawsonite and epidote eclogites from western Canada (<i>Invited</i>)
<u>Edward D. Ghent</u> | |
| 8:25 AM - 8:45 AM | V21G-02. What can blueschists tell about the Deep? High Pressure in the Anatolide - Taurid Belt (<i>Invited</i>)
<u>Roland Oberhaensli</u> | |
| 8:45 AM - 9:00 AM | V21G-03. Precipitation of Oriented Rutile and Ilmenite Needles in Garnet, Northeastern Connecticut, USA: Evidence for Extreme Metamorphic Conditions?
<u>Jay J. Ague</u> ; <u>James O. Eckert</u> | |
| 9:00 AM - 9:15 AM | V21G-04. Prograde Growth History of Possible Relic UHP Garnets from the Taconian of Western Massachusetts
<u>David R. Snoeyenbos</u> ; <u>Andrea Koziol</u> ; <u>Ashley Russell</u> ; <u>Denton S. Ebel</u> ; <u>John W. Valley</u> | |
| 9:15 AM - 9:30 AM | V21G-05. Variscan UHP felsic "granulites": hot subduction and an archetypal example of relamination?
<u>Patrick J. O'brien</u> | |
| 9:30 AM - 9:45 AM | V21G-06. TIMESCALES OF PARTIAL MELTING AND DEFORMATION RELATED TO EXHUMATION IN THE YOUNGEST KNOWN UHP TERRANE: CA-TIMS ZIRCON RESULTS FROM THE D'ENTRECASTEAUX ISLANDS: PAPUA NEW GUINEA
<u>Stacia M. Gordon</u> ; <u>Tim Little</u> ; <u>Bradley R. Hacker</u> ; <u>Suzanne Baldwin</u> ; <u>Samuel A. Bowring</u> | |
| 9:45 AM - 10:00 AM | V21G-07. Fluids Speciation in Deep Subduction Channels: Evidence From Polycrystalline Diamonds From UHPM Terranes
<u>Larissa Dobrzhinetskaya</u> ; <u>Richard Wirth</u> ; <u>Harry W. Green</u> | |

V22C. Ultrahigh-Pressure Metamorphism: New Paradigms II

10:20 AM - 12:20 PM; Room 2020

10:20 AM - 10:25 AM	Introduction
10:25 AM - 10:45 AM	V22C-01. Burial and exhumation of high- and ultra high-pressure (U) HP rocks: some lessons on orogenic root-zone dynamics from the Scandinavian Caledonides (<i>Invited</i>) <u>Torgeir B. Andersen</u>
10:45 AM - 11:05 AM	V22C-02. Lengthy Ultrahigh-Pressure Metamorphism demonstrated by laser ablation split-stream ICP-MS (<i>Invited</i>) <u>Andrew R. Kylander-Clark</u> ; <u>Bradley R. Hacker</u> ; <u>Adam A. Ginsburg</u> ; <u>Katherine Spencer</u>
11:05 AM - 11:20 AM	V22C-03. Discovery of coesite in eclogite from the northern ultrahigh-pressure domain, Western Gneiss Region, Norway <u>Jared P. Butler</u> ; <u>Rebecca Jamieson</u> ; <u>Holly M. Steenkamp</u> ; <u>Peter Robinson</u>
11:20 AM - 11:35 AM	V22C-04. Continental Subduction: Mass Fluxes and Interactions with the Wider Earth System <u>Simon J. Cuthbert</u>
11:35 AM - 11:50 AM	V22C-05. Constraining cooling rates of UHP metamorphic rocks with closure temperature geospeedometry: a case study from the Dabie orogen <u>Max K. Lloyd</u> ; <u>Nobumichi Shimizu</u> ; <u>Zhengrong Wang</u> ; <u>Yong-Fei Zheng</u>
11:50 AM - 12:05 PM	V22C-06. Progressive Extensional Exhumation of the Ultrahigh-Pressure Tso Moriri Terrain, NW Indian Himalaya <u>Kip Hodges</u> ; <u>Ryan Clark</u> ; <u>Brian Monteleone</u> ; <u>Himanshu Sachan</u> ; <u>Barun K. Mukherjee</u> ; <u>Talat Ahmad</u>
12:05 PM - 12:20 PM	V22C-07. Identification And Interpretation Of Eclogite Protoliths Using Immobile Element Geochemistry: Some New Methodologies <u>Julian A. Pearce</u> ; <u>Paul Robinson</u> ; <u>Jingsui Yang</u>

V23E. Ultrahigh-Pressure Metamorphism: New Paradigms III Posters

1:40 PM - 6:00 PM; Halls A-C

V23E-2598. Feedback Between Rifting and Diapirism can Exhume Ultrahigh-Pressure Rocks
Susan M. Ellis; Tim Little; Laura M. Wallace; Bradley R. Hacker; Susanne Buiter

V23E-2599. “Fullerene-like” Raman bands in UHP metamorphic diamonds: Metastable intermediate phases for diamond formation
Yohei Harada; Mina Igarashi; Yoko Hashiguchi; Yoshihide Ogasawara

V23E-2600. Hydroxyl distributions in a product of UHP metasomatism: Diamond-free garnet-clinopyroxene rock from the Kokchetav Massif
Kunihiko Sakamaki; Hidetoshi Morozumi; Yoshihide Ogasawara

V23E-2601. Transitional Epidote-to-Lawsonite Eclogite Facies Metamorphism and Very Low Temperature Retrogression of the Franciscan Metabasite from Jenner, California
Shunsuke Endo; Hiroshi Mori; Yui Kouketsu; Simon Wallis

V23E-2602. Chemical characterization of garnets from Garnet Ridge, northern Arizona in the Colorado Plateau *Koga*

Itaru; Yoshihide Ogasawara

V23E-2603. Slab vs. Slivers: U-Pb Geochronologic Constraints on the Exhumation of the Western Gneiss Region, Norway
Adam A. Ginsburg; Bradley R. Hacker; Andrew R. Kylander-Clark

V23E-2604. Multiple high-pressure events in an orogenic hangingwall, Liverpool Land, East Greenland
Scott M. Johnston; Andrew R. Kylander-Clark; Hannes K. Brueckner

V23E-2605. Evidence for contrasting P-T histories in supracrustal and basement rocks on Harøy and Finnøy, Western Gneiss Region, Norway
Holly M. Steenkamp; Jared P. Butler; Rebecca Jamieson; Peter Robinson

V23E-2607. Trace element mobility in UHP metamorphic rocks of Kokchetav massif (Northern Kazakhstan)
Vladislav S. Shatsky; Ekaterina S. Sitnikova; Alexey L. Ragozin; Nikolai V. Sobolev

V23E-2608. Prograde eclogitization preserved in zoned garnet from Guatemalan jadeite-lawsonite eclogites
Tsutomu Ota; Tatsuki Tsujimori; Eizo Nakamura

V23E-2609. Possibility of the misidentification of contaminated microdiamonds in UHP metamorphic rocks: An example of diamond grains in Dabie garnet clinopyroxenite
Yoshihide Ogasawara; Mina Igarashi; Chin Ho Tsai; Ichiro Iwasaki; Juhn G. Liou

V23E-2610. Metamorphic evolution of eclogites at Qinglongshan: modeling in system Na₂O-CaO-K₂O-FeO-MgO-Al₂O₃-SiO₂-H₂O-TiO₂-Fe₂O₃
Rong Yan; Jianjun Yang; Zeming Zhang

V23E-2611. Petrology of Ultra-high Pressure Metamorphosed Marble from the Dabie Mountains:
Implications for Carbon Cycle during Continental Subduction
Penglei Liu; Yao Wu; Zhenmin Jin; Yang Wang

V23E-2612. Experimental Constraints on the Genesis of Jadeite Quartzite from Shuanghe, Dabieshan
Ultra-high Pressure Metamorphic Terranes
Yanfei Zhang; Yao Wu; Li Zhang; Zhenmin Jin

V23E-2613. Supersilicic clinopyroxene from Nidar Ophiolite ultramafics, Ladakh, India

V23E-2614. Diamond growth from subducted carbon implied by correlated $\delta^{18}\text{O}$ - $\delta^{13}\text{C}$ variations in
diamonds and garnet inclusions
Ryan B. Ickert; Thomas Stachel; Jeff W. Harris
Souvik Das; Barun K. Mukherjee

V23E-2615. Petrological and experimental study of the effect of Fe on the stability of dolomite and
magnesite in subduction zone
Renbiao Tao; Yingwei Fei; Lifei Zhang