



**Βασίλειος Θεοδώρου Ζαφειρόπουλος**  
(Vassilis Zafirooulos)

**Ελληνικό Μεσογειακό Πανεπιστήμιο (ΕΛΜΕΠΑ)**  
**Σχολή Επιστημών Υγείας (ΣΕΥ)**  
**Τμήμα Επιστημών Διατροφής & Διαιτολογίας**  
**Εργαστήριο Διαιτητικής & Σύστασης Σώματος Ανθρώπου**



Διεύθυνση: Α) Περιοχή Τρυπητός, 72300 ΣΗΤΕΙΑ, Τηλ.: 2843029496, 6973887111

Β) Εσταυρωμένος, Κτήριο ΣΕΥ, 71410 ΗΡΑΚΛΕΙΟ, Τηλ.: 2810379-500, -242

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**ΟΝΟΜΑ :** ΒΑΣΙΛΕΙΟΣ ΘΕΟΔΩΡΟΥ ΖΑΦΕΙΡΟΠΟΥΛΟΣ

**ΗΜ/ΝΙΑ – ΤΟΠΟΣ ΓΕΝΝΗΣΗΣ :** Οκτώβριος 1960 - Ηράκλειο Κρήτης

**ΣΠΟΥΔΕΣ :**

- ΠΤΥΧΙΟ Χημείας, Φυσικομαθηματική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, 9/1978 - 3/1983
- ΔΙΔΑΚΤΟΡΙΚΟ πάνω στη Φασματοσκοπία Laser, University of Iowa, ΗΠΑ 8/1983-12/1988  
ΤΙΤΛΟΣ ΔΙΔΑΚΤΟΡΙΚΟΥ: "Laser Spectroscopy of the Potassium Dimer : Photodissociation Dynamics and Laser Induced Fluorescence"  
ΥΠΕΥΘΥΝΟΣ ΚΑΘΗΓΗΤΗΣ: Professor William C. Stwalley, double appointment Departments of Physics & Department of Chemistry, University of Iowa (Τελευταία διεύθυνση: Head of Department of Physics, University of Connecticut)

**ΥΠΟΤΡΟΦΙΕΣ :**

- \* ΜΕΤΑΠΤΥΧΙΑΚΗ ΥΠΟΤΡΟΦΙΑ (Teaching & Research Assistantship, 2 και 3.5 έτη αντίστοιχα), The University of Iowa, 8/1983-12/1988
- \* ΜΕΤΑΔΙΔΑΚΤΟΡΙΚΗ ΥΠΟΤΡΟΦΙΑ, CNRS (National Foundation for Research in France) Fellowship, Laboratoire de Physique des Lasers, Universite Paris-Nord, 12/1991-2/1992 (παράλληλα με την εργασία στο ΙΤΕ)

**ΤΩΡΙΝΗ ΕΡΓΑΣΙΑ :**

- ΚΑΘΗΓΗΤΗΣ, Γνωστικό αντικείμενο ΦΕΚ: «Φυσική με έμφαση στις μεθόδους Εφαρμοσμένης Φυσικής και στη χρήση της ακτινοβολίας για διαγνωστικούς και βιομηχανικούς σκοπούς», Ελληνικό Μεσογειακό Πανεπιστήμιο (ΕΛΜΕΠΑ), έως ΤΕΙ Κρήτης, Τμήμα Επιστημών Διατροφής & Διαιτολογίας, από 5/4/2012 έως σήμερα (ΑΝΑΠΛ. ΚΑΘΗΓΗΤΗΣ από 1/4/2003 έως 4/4/2012)
- ΕΡΕΥΝΗΤΗΣ, Ινστιτούτο Αγροδιατροφής και Επιστημών Ζωής Ιν.Α.Ζω, Ερευνητικό Κέντρο Ελληνικού Μεσογειακού Πανεπιστημίου (Institute of Agri-Food and Life Sciences, Hellenic Mediterranean University Research Center, από το 2020

**ΠΡΟΗΓΟΥΜΕΝΗ ΕΡΓΑΣΙΑ/ΥΠΗΡΕΣΙΑ :**

- ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΣΥΝΕΡΓΑΤΗΣ, *Ίδρυμα Τεχνολογίας & Έρευνας (ΙΤΕ) – Ινστιτούτο Ηλεκτρονικής Δομής & Λέιζερ (Ι.Η.Δ.Λ.)*, 4/1990 – 3/2003
- ΔΙΔΑΣΚΩΝ - ΜΕΤΑΠΤΥΧΙΑΚΟ ΠΡΟΓΡΑΜΜΑ (Διατμηματικό) των Τμημάτων Φυσικής και Ιστορίας-Αρχαιολογίας του Πανεπιστημίου Κρήτης, 1/1999 – 5/1999, 5/2000 – 8/2000 και 3/2002 – 8/2002 (παράλληλα με την εργασία στο ΙΤΕ)
- ΕΠΙΣΚΕΠΤΗΣ ΕΠΙΚΟΥΡΟΣ ΚΑΘΗΓΗΤΗΣ, *Τμήμα Χημείας, Πανεπιστήμιο Κρήτης*, σύμβαση ορισμένου χρόνου Π.Δ. 407, 1/1993 - 8/1994 (παράλληλα με την εργασία στο ΙΤΕ)
- ΕΙΔΙΚΟΣ ΕΠΙΣΤΗΜΩΝ, *Τμήμα Χημείας, Πανεπιστήμιο Κρήτης*, σύμβαση ορισμένου χρόνου, 1/1991 – 12/1992 (παράλληλα με την εργασία στο ΙΤΕ)
- Υπηρεσία στον Ελληνικό στρατό, 3/1989 – 3/1990
- ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΣΥΝΕΡΓΑΤΗΣ, *Ίδρυμα Τεχνολογίας και Έρευνας*, 1/1989 - 3/1989
- ΒΟΗΘΟΣ ΔΙΔΑΣΚΑΛΙΑΣ & ΒΟΗΘΟΣ ΕΡΕΥΝΗΤΗΣ, *The University of Iowa*, μεταπτυχιακή υποτροφία: Teaching Assistant 9/1983 – 8/1985, Research Assistant 9/1985 – 12/1988
- ΔΙΔΑΣΚΩΝ - Saturday & Evening Classes, *The University of Iowa*, 1/1986 - 12/1986 (παράλληλα με την προηγούμενη θέση)
- ΦΥΣΙΚΟΧΗΜΙΚΟΣ, *Εργ/ριο Ελέγχου Ποιότητας*, Πλαστικά Κρήτης, 3/1983 – 7/1983

**ΘΕΣΕΙΣ ΕΥΘΥΝΗΣ :**

- Κοσμήτορας της Σχολής Επιστημών Υγείας του ΕΛΜΕΠΑ, 9/2020 έως σήμερα
- Διευθυντής *Εργαστηρίου Διαιτητικής & Σύστασης Σώματος Ανθρώπου*, 4/2016 έως σήμερα
- Πρόεδρος *Τμήματος Επιστημών Διατροφής & Διαιτολογίας*, ΕΛΜΕΠΑ (έως 5/2019 ΤΕΙ Κρήτης), 9/2008 – 10/2012, 12/2017 – 8/2020
- Μέλος του πρώην *Συμβουλίου (Ιδρύματος) ΤΕΙ Κρήτης* (Νόμος 4009/2011), 10/2012 – 8/2016
- Μέλος της Επιστημονικής Επιτροπής Σπουδών (ΟΜΕΑ) του *Τμήματος Διατροφής & Διαιτολογίας*, 3/2004 – 7/2020
- Αναπλ. Πρόεδρος *Τμήματος Διατροφής & Διαιτολογίας*, ΤΕΙ Κρήτης, 9/2003 – 8/2008, 1/2016 – 8/2016 and 2/2017 – 8/2017
- Μέλος του Συμβουλίου κατά την ίδρυση του *ΙΔΒΕ (Ινστιτούτο Δια Βίου Εκπαίδευσης)*, 2/2011 – 1/2012
- Αναπλ. Διευθυντής *Σχολής Επαγγελματιών Υγείας & Πρόνοιας (ΣΕΥΠ)* του ΤΕΙ Κρήτης, 9/2010 – 10/2012
- Μέλος της Επιτροπής Μεταπτυχιακών Σπουδών του ΤΕΙ Κρήτης, 9/2009 – 10/2012
- Διευθυντής *Τομέα Υγιεινής Διατροφής & Διαιτολογίας* του ΚΤΕ Κρήτης, 5/2003 – 9/2009
- Υπεύθυνος *Ερευνητικής Ομάδας*, *Ίδρυμα Τεχνολογίας & Έρευνας (ΙΤΕ) – Ινστιτούτο Ηλεκτρονικής Δομής & Λέιζερ (Ι.Η.Δ.Λ.)*, 6/1995 – 3/2003
- Συντονιστής και Επιστημονικός Υπεύθυνος Προγραμμάτων (βλέπε παρακάτω)

**ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ :**Στο ΕΛΜΕΠΑ

- Διδασκαλία στο *Τμήμα Επιστημών Διατροφής & Διαιτολογίας* από 1/4/2003 έως και σήμερα. Μαθήματα που διδάσκονται ή έχουν διδαχθεί: Σύσταση Σώματος, Εργομετρία, Αρχές Φυσικής, Φυσική & Ραδιενέργεια στα Τρόφιμα, Γενική & Ανόργανη Χημεία.
- Διδασκαλία στο Μεταπτυχιακό Πρόγραμμα Σπουδών του *Τμήματος Ηλεκτρονικών Μηχανικών* της ΣΤΕΦ, "Laser, Plasma & Applications": Laser Analytical Techniques and laser Ablation Applications.
- Επιβλέπων καθηγητής στην εκπόνηση διδακτορικής διατριβής της Αλκυόνης Χατζάκη, με τίτλο "Hydration of the human body and its relationship with obesity" (από 12/2019)
- Επιβλέπων καθηγητής στην εκπόνηση διδακτορικής διατριβής της Ειρήνης Σφακιανάκη, με τίτλο "Διατροφική..." (από 12/2021)
- Επιβλέπων καθηγητής σε πτυχιακές εργασίες φοιτητών

Σε άλλα Πανεπιστήμια

- Διαλέξεις στο Πρόγραμμα Μεταπτυχιακών Σπουδών «Δημόσια Υγεία & Διοίκηση Υπηρεσιών Υγείας» του Τμήματος Ιατρικής του Πανεπιστημίου Κρήτης, Εαρινό εξάμηνο 2009-2010
- Διαλέξεις στο Διατμηματικό Πρόγραμμα Μεταπτυχιακών Σπουδών του Εθνικού Μετσόβιου Πολυτεχνείου (Τμήμα Χημικών Μηχανικών – Τομέας Επιστήμης και Τεχνικής των Υλικών) με τίτλο "Προστασία Μνημείων", 2002-2003
- Πρόσκληση σε πέντε δίωρες διαλέξεις στο Διατμηματικό Πρόγραμμα "Baroque Architecture and its conservation" στο Πανεπιστήμιο της Μάλτας. Θέμα των ομιλιών ήταν η χρήση της Ακτινοβολίας Laser στην Εφαρμογή του καθαρισμού μνημείων φτιαγμένων από διαφορετικά υλικά, καθώς και στην ανάλυση και διαγνωστική των μνημείων. Μάλτα, Μάρτιος 2002
- Συμμετοχή στο Ευρωπαϊκό Εκπαιδευτικό Πρόγραμμα "Culture 2000 – Laser Technology for Art craft conservation", διαλέξεις μέσω τηλεδιάσκεψης, 5/2001.
- Συμμετοχή ως Υπεύθυνος Εργαστηρίου του Ι.Η.Δ.Λ//ΙΤΕ, στα πλαίσια του Εκπαιδευτικού Προγράμματος "ΕΠΕΑΕΚ – Πρακτική Άσκηση φοιτητών Χημείας" του Παν/μίου Κρήτης, 10/1999 – 12/1999
- Συνδιοργάνωση και διδασκαλία στο Πρόγραμμα Επιμόρφωσης Ευρωπαίων Συντηρητών στα πλαίσια του Ευρωπαϊκού προγράμματος RAPHAEL, Λισσαβόνα, 11/1998
- Διδασκαλία στο *Τμήμα Χημείας* του *Πανεπιστημίου Κρήτης* από 1/1991 έως 8/1994. Μαθήματα: Εργαστήριο Φυσικοχημείας, Θεωρία Ανόργανης Χημείας II
- Συν-επιβλέπων εκπόνησης Διδακτορικής διατριβής του Χαράλαμπου Θεοδωρακόπουλου – συνεργασία με το Royal College of Art του Λονδίνου, 8/2001 – 5/2005
- Επιβλέπων (εκ μέρους του ΙΤΕ) Διπλωματικών και Μεταπτυχιακών Εργασιών φοιτητών του Πανεπιστημίου Κρήτης/Τμήμα Φυσικής, 4/1990 – 3/2003
- Συν-επιβλέπων Μεταδιδακτορικής εξειδίκευσης της Δρ. Παρ. Πουλή στο Ινστιτούτο Ηλεκτρονικής Δομής & Λέιζερ του ΙΤΕ, 1998-2003
- ΔΙΔΑΣΚΩΝ - Saturday & Evening Classes, *The University of Iowa*, 1/1986 - 12/1986 (παράλληλα με την θέση τού Research Assistant)
- Teaching Assistant / Βοηθός Διδασκαλίας σε Εργαστηριακά μαθήματα Φυσικοχημείας κατά τη διάρκεια των δυο πρώτων ετών της εκπόνησης του Διδακτορικού, Μεταπτυχιακή Υποτροφία: Teaching Assistant, *The University of Iowa*, Department of Chemistry, 9/1983 – 8/1985

**ΕΠΙΣΤΗΜΟΝΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ & ΕΠΙΣΤΗΜΟΝΙΚΗ ΕΜΠΕΙΡΙΑ :**

Μετά το 2003 (Αλλαγή πεδίου έρευνας μετακινούμενος από το ΙΤΕ προς το ΕΛΜΕΠΑ)

- Principles in measuring Human Body Composition and energy consumption.
- Dietary Intervention in Schools: Measurement of Body Composition changes in children.
- Development of Optical and Physicochemical methods of measuring the Human Body Composition.
- Correlation of measurement data obtained by different methodologies of Human Body Composition. Investigation of irregularities.
- Resting Metabolic Rate (RMR) and Total Energy Expenditure (TEE) in correlation to body composition parameters.
- Adaptation of Spectroscopic Techniques for Food Quality control and on-line processing.

Πριν το 2003

- Laser Spectroscopy.
- Fundamental & Applied Research in Laser-Matter Interactions.
- Development of Prototype systems in Laser-Matter Interactions.
- Development of Methodology based on laser ablation for studying the Scalar Physicochemical properties in a Nano-scale.
- Research on Laser Applications in the Conservation of Artworks (polymerized materials, inorganic encrustation and other materials).
- Adaptation of Spectroscopic Techniques for various applications.

**ΑΝΑΦΟΡΕΣ ΑΠΟ ΕΡΕΥΝΗΤΕΣ (CITATIONS) (until May 30<sup>th</sup>, 2022):**

- **Scholar Google:** 8651 citations, *h*-index: 30. *i10*-index: 66.  
<https://scholar.google.com/citations?user=c7RkFj0AAAAJ&hl=el>

**ΟΡΓΑΝΩΣΗ ΔΙΕΘΝΩΝ ΣΥΝΕΔΡΙΩΝ :**

- Μέλος της Οργανωτικής Επιτροπής του *Ninth International Symposium on Gas Flow and Chemical Lasers (GCL '92)*, 21-25 September, 1992
- Αντιπρόεδρος του *First International Workshop on Lasers in Conservation of Artworks (LACONA)*, 4-6 October, 1995
- Μέλος της Οργανωτικής Επιτροπής του *Fifth International Conference on Optics Within Life Sciences (OWLS V), Biomedicine and Culture in the Era of Modern Optics and Lasers*, 13-16 October, 1998
- Πρόεδρος του *COST Programme Workshop 'Environmental Effects on Artworks'*, 18-19 October, 2001
- Πρόεδρος του *International Workshop on New Trends in Laser cleaning III*, 2-4 October, 2003
- Μέλος της Οργανωτικής Επιτροπής του *7th International Conference on Laser Ablation (COLA'03)*, 5-10 October, 2003

**ΣΥΜΜΕΤΟΧΗ ΣΕ ΟΜΑΔΕΣ ΕΜΠΕΙΡΟΓΝΩΜΟΝΩΝ :**

- Συμμετοχή στη λίστα εμπειρογνομόνων της 12<sup>ης</sup> Διεύθυνσης της Ευρωπαϊκής Κοινότητας:
  - ◆ Βρυξέλλες, Φεβρουάριος 1998, κριτής στο πρόγραμμα “Standards, Measurements & Testing (SMT)”
  - ◆ Βρυξέλλες, Ιούνιος-Ιούλιος 1999, κριτής στο πρόγραμμα “1.1.3 Competitive and Sustainable Growth”
  - ◆ Βρυξέλλες, Απρίλιος 2001, κριτής στο υποπρόγραμμα του GROWTH “Generic Activity 2: Measurements and Testing”
  - ◆ Βρυξέλλες, Νοέμβριος 2003 – Ιανουάριος 2004, κριτής στο Ευρωπαϊκό Πρόγραμμα NEST.
- Εθνικός Αντιπρόσωπος στο Ευρωπαϊκό Δίκτυο του EUREKA “EULASNET” (Οκτώβριος 2001 – 2003)
- Συμμετοχή στις κρίσεις Επιστημονικών Προτάσεων Ελληνο-Γερμανικής Συνεργασίας της Γενικής Γραμματείας Έρευνας και Τεχνολογίας (ΓΓΕΤ) (Μάρτιος 2002)
- Κριτής επιστημονικών άρθρων στα διεθνή περιοδικά *Applied Surface Science*, *Surface & Coatings Technology*, *Applied Physics A* και περιστασιακά σε άλλα περιοδικά
- Συμμετοχή σε ομάδες εμπειρογνομόνων για κρίσεις Επιστημονικών Προτάσεων σε διάφορες χώρες (2004 έως σήμερα)

**ΕΜΠΕΙΡΙΑ ΣΕ ΧΡΗΜΑΤΟΔΟΤΟΥΜΕΝΑ ΕΡΕΥΝΗΤΙΚΑ, ΕΚΠΑΙΔΕΥΤΙΚΑ & ΛΟΙΠΑ ΠΡΟΓΡΑΜΜΑΤΑ :**Έργα στο ΕΛΜΕΠΑ / ΤΕΙ Κρήτης :

- “Διαχείριση βάρους κατά τη μετα-Covid εποχή: Καταγραφή, παρέμβαση και προετοιμασία κλιμάκωσης στον πληθυσμό της Κρήτης, με στόχο τη βελτίωση της πρόγνωσης και τον περιορισμό των επιπτώσεων στη δημόσια υγεία”, Προγραμματική σύμβαση με Περιφέρεια Κρήτης (2022-2023)
- “Sustainable food packaging based on essential oils in polymeric matrices” - [Τ6ΥΒΠ-00307] – General Secretariat of Research and Technology, ACTIVITY OF NATIONAL CERTIFICATION: Special Actions "Aquaculture" - "Industrial Materials" - "Open Innovation in Culture" - "COMPETITIVENESS, ENTERPRISE & INNOVATION" (since 2/2020, continuing)
- “Creation of a Structure of Support - Development of the Crafts and the Social and Solidarity Economy in Crete (Support of small and very small Entrepreneurship)”, code 2017ΕΠ40200005, bilateral contract with the company Ploigos (since 2018, continuing)
- “Evaluation of a WEB-based intervention promoting healthy eating among primary school children (NUTRI-WEB Children project)”, Archimedes-III Programme, Ministry of Education (2012-2015).
- “Practical Training of undergraduate students in the Department of Nutrition & Dietetics of TEI of Crete”, Programmes ΕΡΕΑΕΚ & Lifelong Learning (2011-2015 & 2006-2007).
- “Γραφείο Διαμεσολάβησης στο ΤΕΙ Κρήτης”, χρηματοδοτούμενο από το Επιχειρησιακό Πρόγραμμα «Ανταγωνιστικότητα» του Υπουργείου Ανάπτυξης (2007-08) και “Γραφείο Διασύνδεσης του ΤΕΙ Κρήτης” χρηματοδοτούμενο από το Υπουργείο Παιδείας (2010-11)
- “Dietary Intervention in High Schools of Lassithi prefecture”, Funded by the Prefecture of Lassithi (2007-2008).
- “Experimental Nutrition”, National ΕΡΕΑΕΚ Programme, ARCHIMEDES II (2005-2007).

Προηγούμενα έργα (στο Ίδρυμα Τεχνολογίας & Έρευνας (ITE):*Συμμετοχή στην Επιστημονική Ομάδα:*

- “Laser Spectroscopy of alkali dimers” (NSF, during PhD work),
- “Laser Induced Clustering”, NATO Grant (1990-92)
- “Laser based Chemical Vapor Deposition of Corrosion and Wear Resistant layers”, BRITE/EURAM – E.U. Industrial Research Programme (1991-1993)
- “Ultraviolet Laser Facility”, Human Potential - Access to Research Infrastructures Programme (1991-2003)

*Επιστημονικός Υπεύθυνος / Εκπροσώπηση Ιδρύματος:*

- “On-line thickness monitoring of plastic films”, bilateral contract, Plastika Kritis Inc (1989-90)
- “New Techniques for Paint Removal”, BRITE/EURAM – E.U. Industrial Research Programme (1993-1996)
- “Laser Technology in Conservation of Artworks (LATECA)” - National funding, *coordination* (1994-1998)
- “SOLON”, Development of Instrumentation for Laser Restoration Applications – Technology Transfer to ‘Art Innovation e.V.’ a spin-off company of FORTH, *coordination* (1996-1997)
- “Non-intrusive Laser Measurement Techniques for Diagnostics of the State of Conservation of Frescoes, Paintings and Wooden Icons”, E.U. Standards, Measurements & Testing (SMT) Programme (1996-1999)
- “Facades Cleaning with Laser (RESTORE)”, E.U. EUREKA project (1997-2000)
- “Applications of Lasers for Industrial Cleaning in Engineering (ALICE)”, BRITE/EURAM – E.U. Basic Research Programme (1997-2000)
- “Laser cleaning of paper and parchment (LACLEPA)”, EUREKA EU Programme (1997-2001)
- “Development of a Manufacturing and Signal Processing Technology to enable SME’s in Low Value, Small Batch Production of Polymer Composites to produce Smart Structures”, BRITE/EURAM – CRAFT EU Programme (1998-2001)
- “Enhanced Free Running Laser Device for Surface Cleaning”, PHARE-TTQM EU Programme (2000-2001)
- “Development of dedicated novel Laser systems for the Committee for the Conservation of Parthenon monuments”, bilateral R&D project (2000-2002)
- “Laser renovation of monuments and artworks (RENOVA)”, EUREKA EU Programme (2001-2003)
- “European Laser Applications Network (EULASNET)”, EUREKA Network EU Programme, *National Representative* (2001-2006)
- “Mechanized Ship Maintenance (MESHMAIN)”, GROWTH-CRAFT Industrial Research project for using Laser Radiation for Paint stripping Applications in Ship Maintenance sector (2002-2004)

*Επιστημονικός Υπεύθυνος όλης της πρότασης (coordinator):*

- “Application of UV-Laser Technology in Textile Processing (LATEX)”, BRITE/EURAM - Thematic Network EU Programme - Exploratory Phase (1997)
- “Advanced workstations for controlled Laser cleaning of artworks”, ENVIRONMENT – CRAFT EU Programme, *exploratory phase* (1997) & *Project* (1999-2001)
- “Artwork Conservation by Laser”, COST Action G7, participation of 23 countries worldwide (2000-2003)

- “Development of a novel prototype laser system for the removal of surface encrustation in the monuments and sculpture of Acropolis”, Contracted work for the *Committee for the Conservation of Acropolis Monuments* (2000-2003)

#### **ΔΙΠΛΩΜΑ ΕΥΡΕΣΙΤΕΧΝΙΑΣ :**

“Μέθοδος και Σύστημα για τον καθαρισμό Επιφανειών με την Σύγχρονη χρήση παλμών Laser δυο διαφορετικών μηκών κύματος”, ΟΒΙ Αριθ. 20020100116

Ιδιοκτήτες: (α) Β. Ζαφειρόπουλος, (β) ΙΤΕ

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