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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

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**FORM 6-K**

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**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 OR 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Report on Form 6-K dated October 3, 2017

(Commission File No. 001-35053)

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**INTERXION HOLDING N.V.**

(Translation of Registrant's Name into English)

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Tupolevlaan 24, 1119 NX Schiphol-Rijk, The Netherlands, +31 20 880 7600  
(Address of Principal Executive Office)

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Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F       Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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**INFORMATION CONTAINED IN THIS FORM 6-K REPORT**

This report contains Interxion Holding N.V.'s press release "Interxion Announces CFO Resignation."

**This Report on Form 6-K is incorporated by reference into (i) the Registration Statement on Form S-8 of the Registrant originally filed with the Securities and Exchange Commission on June 23, 2011 (File No. 333-175099), (ii) the Registration Statement on Form S-8 of the Registrant originally filed with the Securities and Exchange Commission on June 2, 2014 (File No. 333-196447) and (iii) the Registration Statement on Form S-8 of the Registrant originally filed with the Securities and Exchange Commission on May 31, 2017 (File No. 333-218364).**

Exhibit

99.1 The press release "Interxion Announces CFO Resignation", dated October 3, 2017.

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**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

INTERXION HOLDING N.V.

By: /s/ David C. Ruberg

Name: David C. Ruberg

Title: Chief Executive Officer

Date: October 3, 2017



Press Release, 3 October 2017

**Interxion Announces CFO Resignation**

**AMSTERDAM, 3 October 2017** – Interxion Holding N.V. (NYSE: INXN), a leading European provider of carrier and cloud-neutral colocation data centre services, announced today that its Chief Financial Officer, M.V. “Josh” Joshi, has notified the company that he has resigned, effective 31 January 2018, due to personal reasons.

Interxion’s Chief Executive Officer, David Ruberg commented: “I regret that Josh has decided to leave Interxion but I understand his reasons and would like to thank him for his support over the past decade. Josh has made significant contributions to the development and growth of Interxion and has helped create and deliver substantial value to all of our stakeholders during his years with the company.”

Mr. Joshi added: “It has been a privilege to work with the extraordinary team at Interxion for the past decade. The travel and other time commitments required to contribute to the Company’s success have been demanding; not only on me, but also on my family. I have made this decision now due to illness of a family member and the desire to spend more time with my family. This decision is made easier knowing that I leave Interxion in a strong position and with a dedicated and talented finance organisation that will continue to support and contribute to Interxion’s success in the future. I feel fortunate to have been part of the Interxion story.”

Mr. Joshi will remain in his position as CFO until 31 January 2018 while a search for his replacement is conducted.

**About Interxion**

Interxion (NYSE: INXN) is a leading provider of carrier and cloud-neutral colocation data centre services in Europe, serving a wide range of customers through 45 data centres in 11 European countries. Interxion’s uniformly designed, energy efficient data centres offer customers extensive security and uptime for their mission-critical applications.

With over 600 connectivity providers, 21 European Internet exchanges, and most leading cloud and digital media platforms across its footprint, Interxion has created connectivity, cloud, content and finance hubs that foster growing customer communities of interest. For more information, please visit [www.interxion.com](http://www.interxion.com).

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